

Fig. 1A

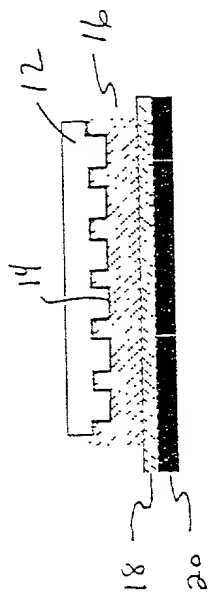


Fig. 1B

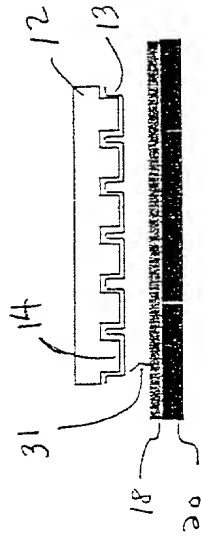


Fig. 2A



Fig. 2B

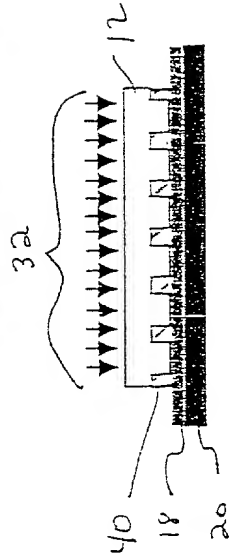


Fig. 2C

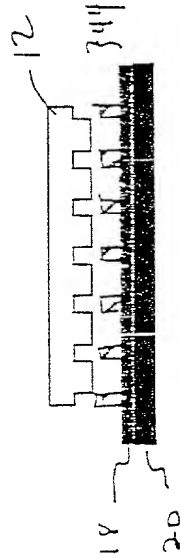


Fig. 2D

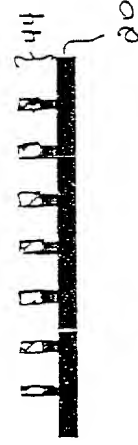


Fig. 2E

30

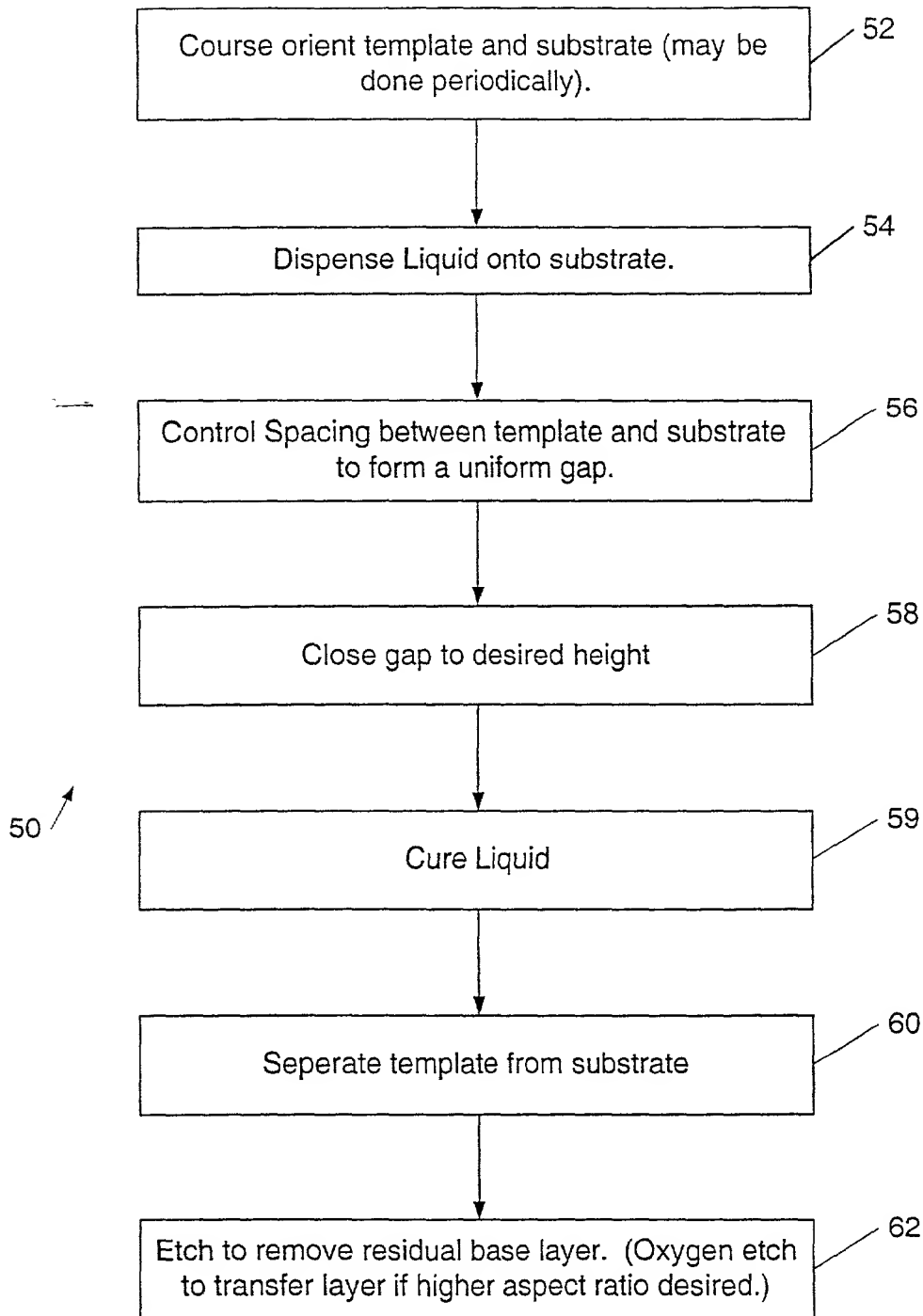


Fig. 3

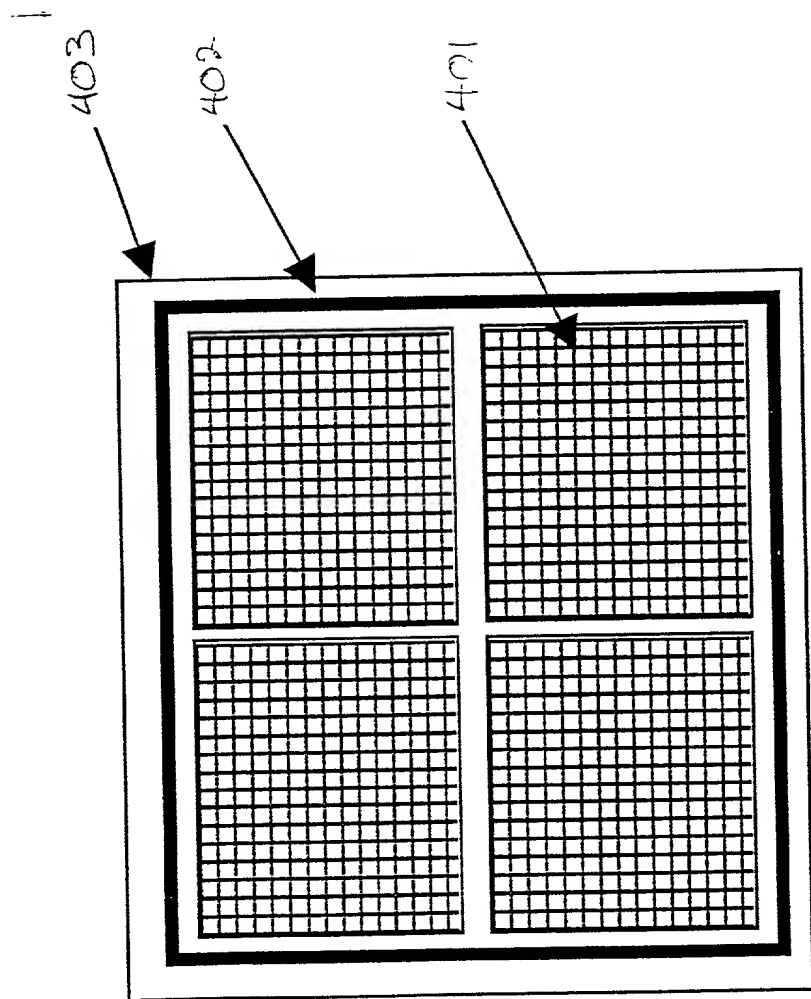


Fig. 4

1

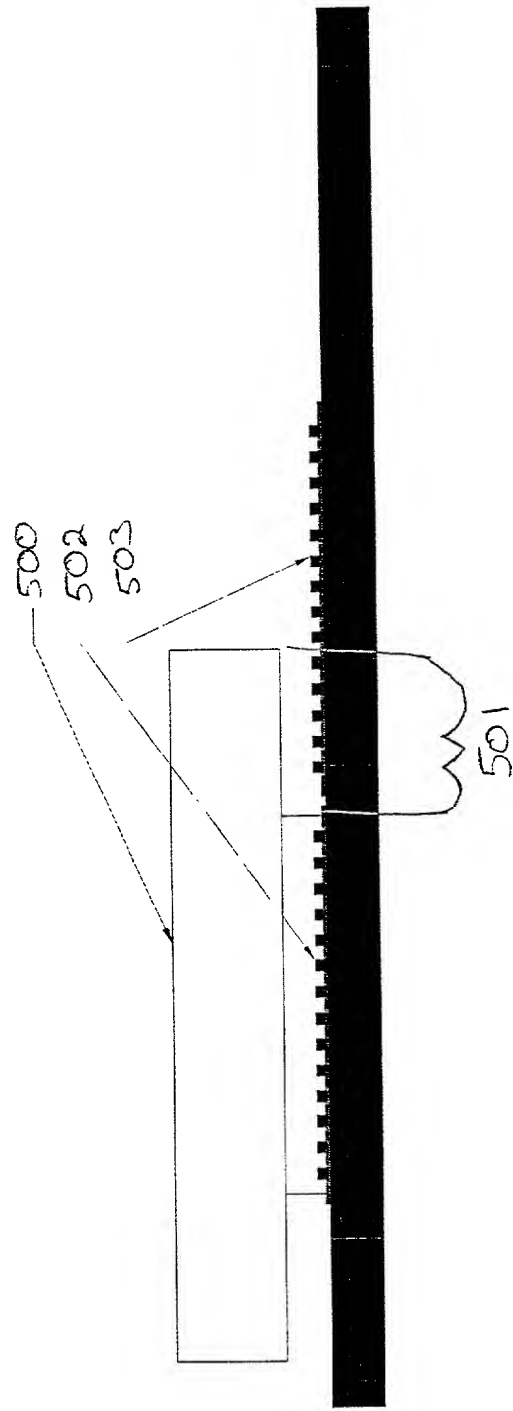


Fig. 5

TOP SECRET - CONTROL

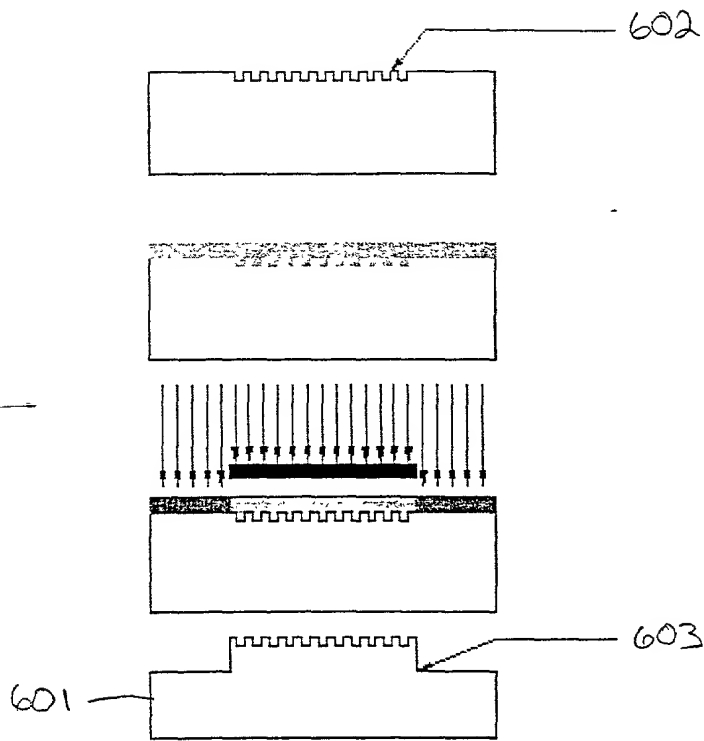


Fig. 6

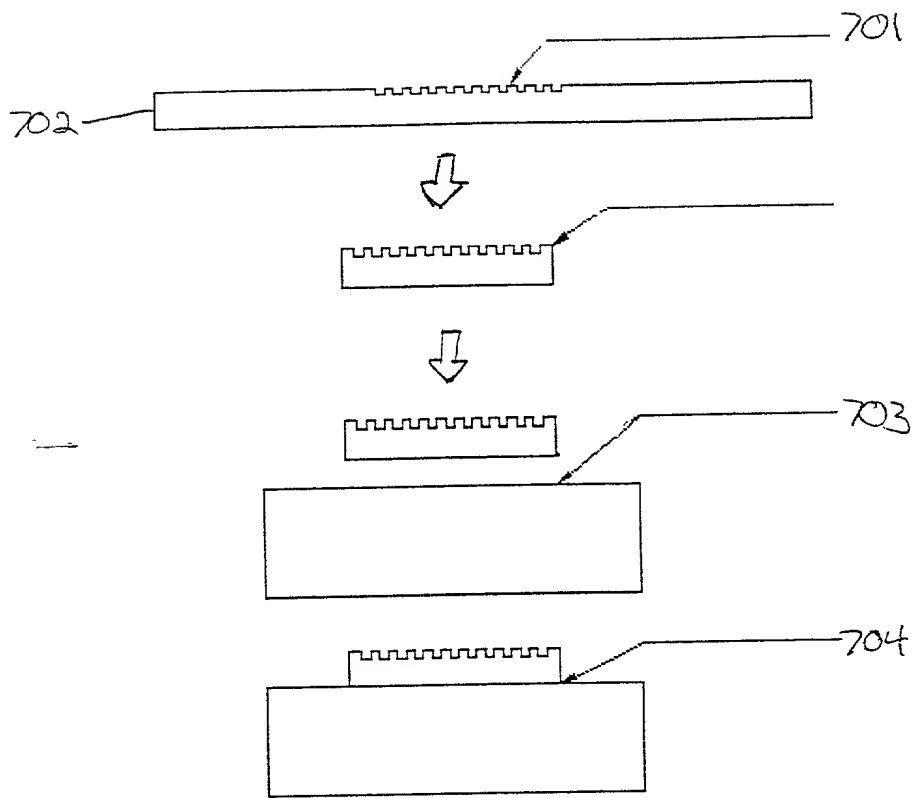


Fig. 7

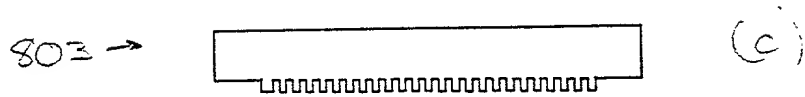
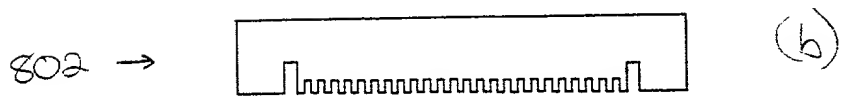
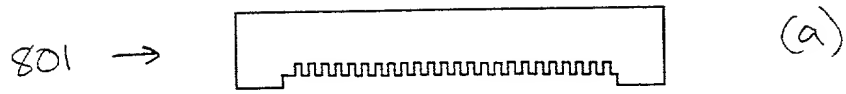


Fig. 8

The figure consists of four cross-sectional diagrams arranged in a 2x2 grid, showing the evolution of a rectangular block on a layered substrate. The substrate has three distinct layers: a dark bottom layer, a middle layer with a fine stippled texture, and a thin white layer on top. The top layer of the substrate is also stippled. The diagrams are labeled with handwritten text:

- Top-left:** A rectangular block sits on the top layer. Handwritten text above it reads "90°".
- Top-right:** The block is being deformed into a trapezoidal shape, wider at the base. Handwritten text above it reads "90°".
- Bottom-left:** The block is fully deformed into a trapezoidal shape. Handwritten text below it reads "90°".
- Bottom-right:** The block is fully deformed into a rectangular shape, matching the original dimensions. Handwritten text below it reads "90°".

Arrows indicate the sequence of deformation: from the top-left diagram to the top-right, then to the bottom-left, and finally to the bottom-right.

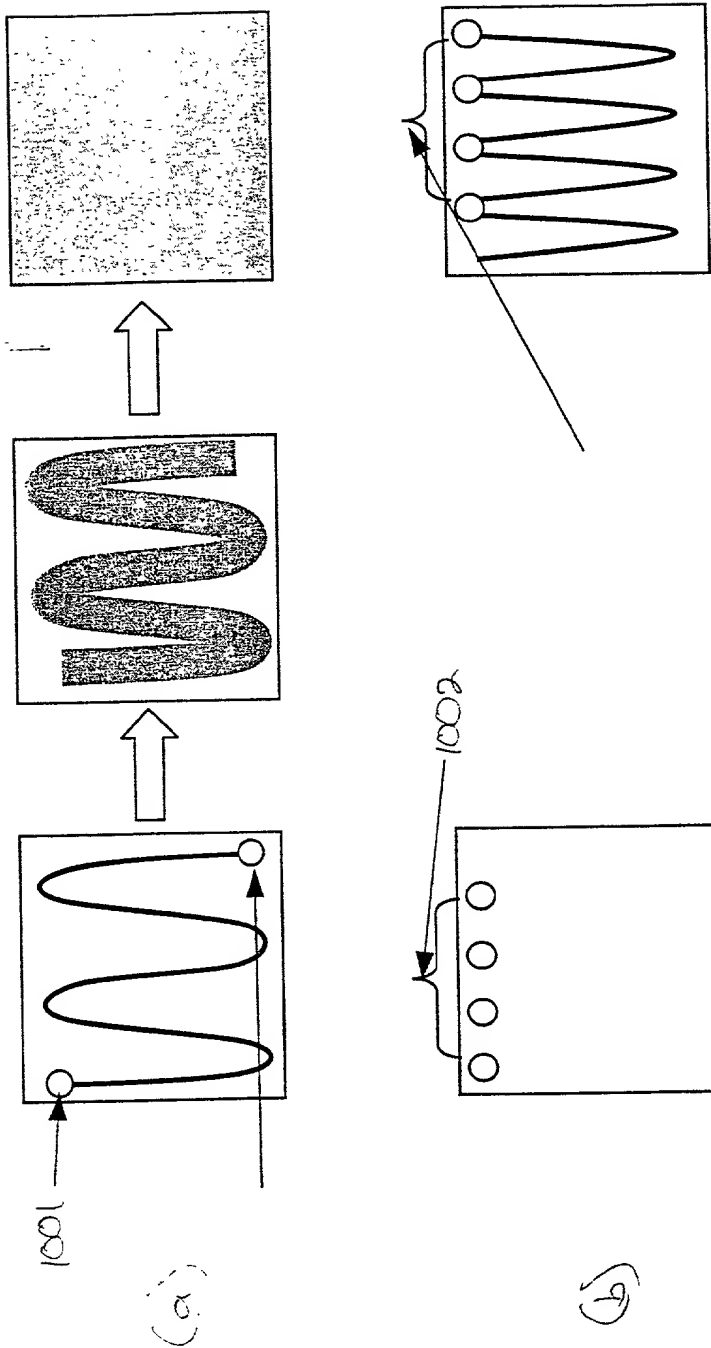


Fig. 10

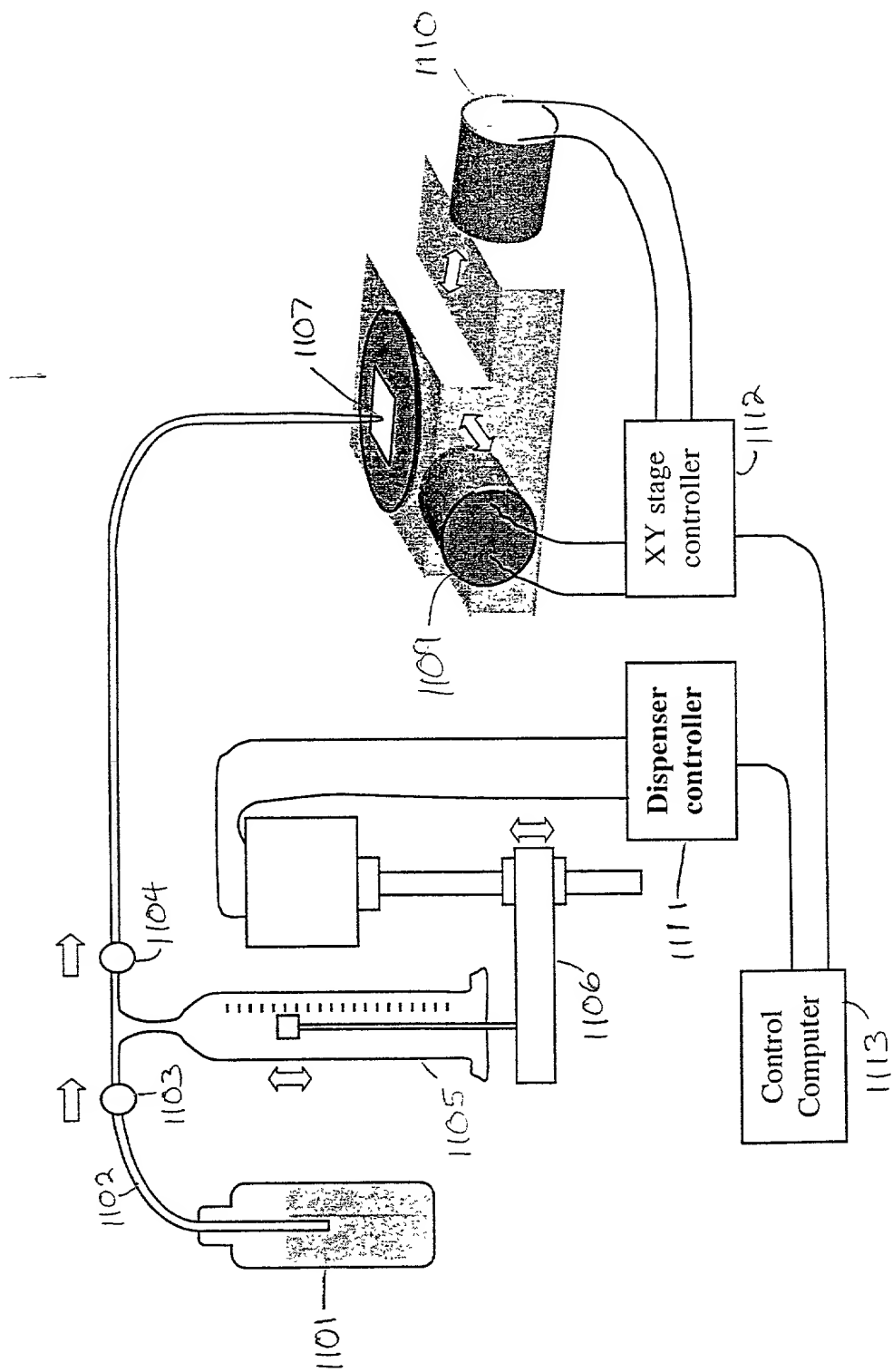


Fig. 11

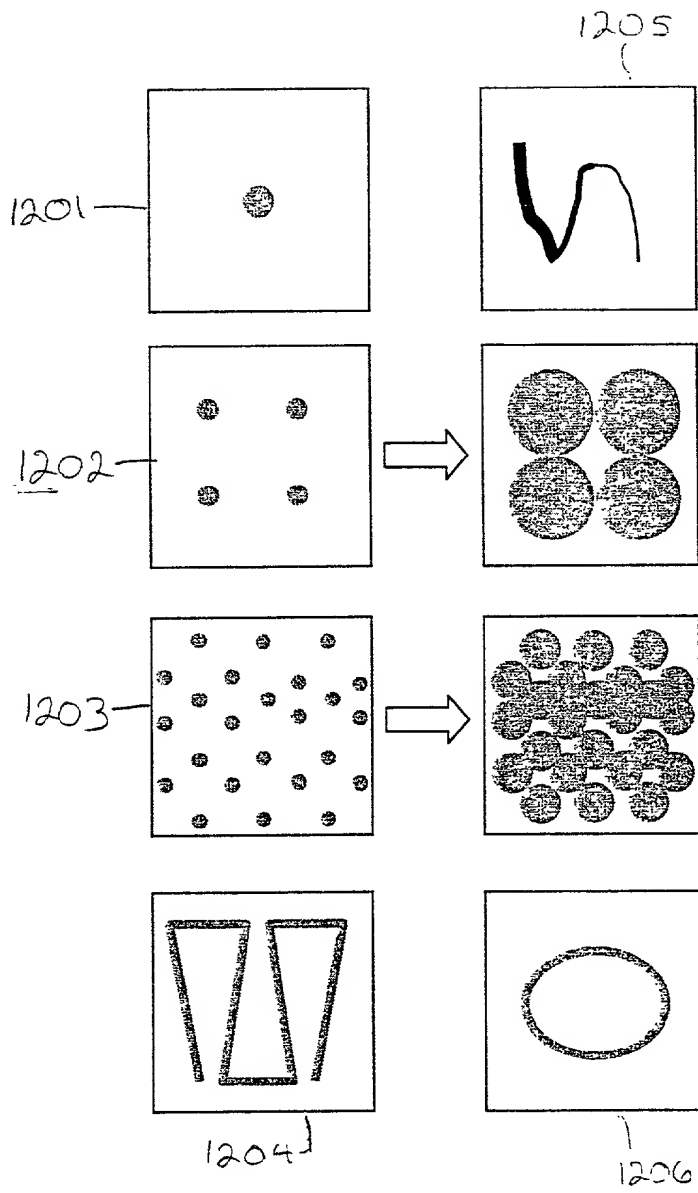


Fig. 12

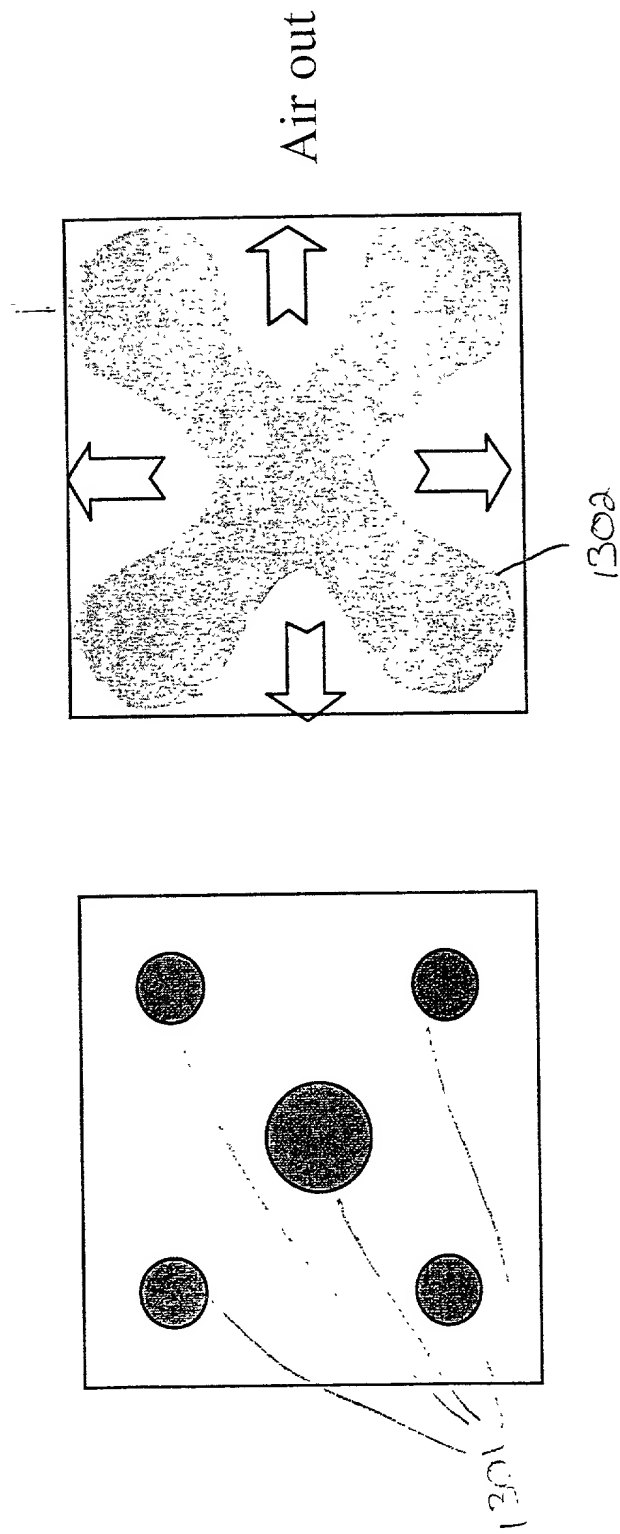


Fig. 13

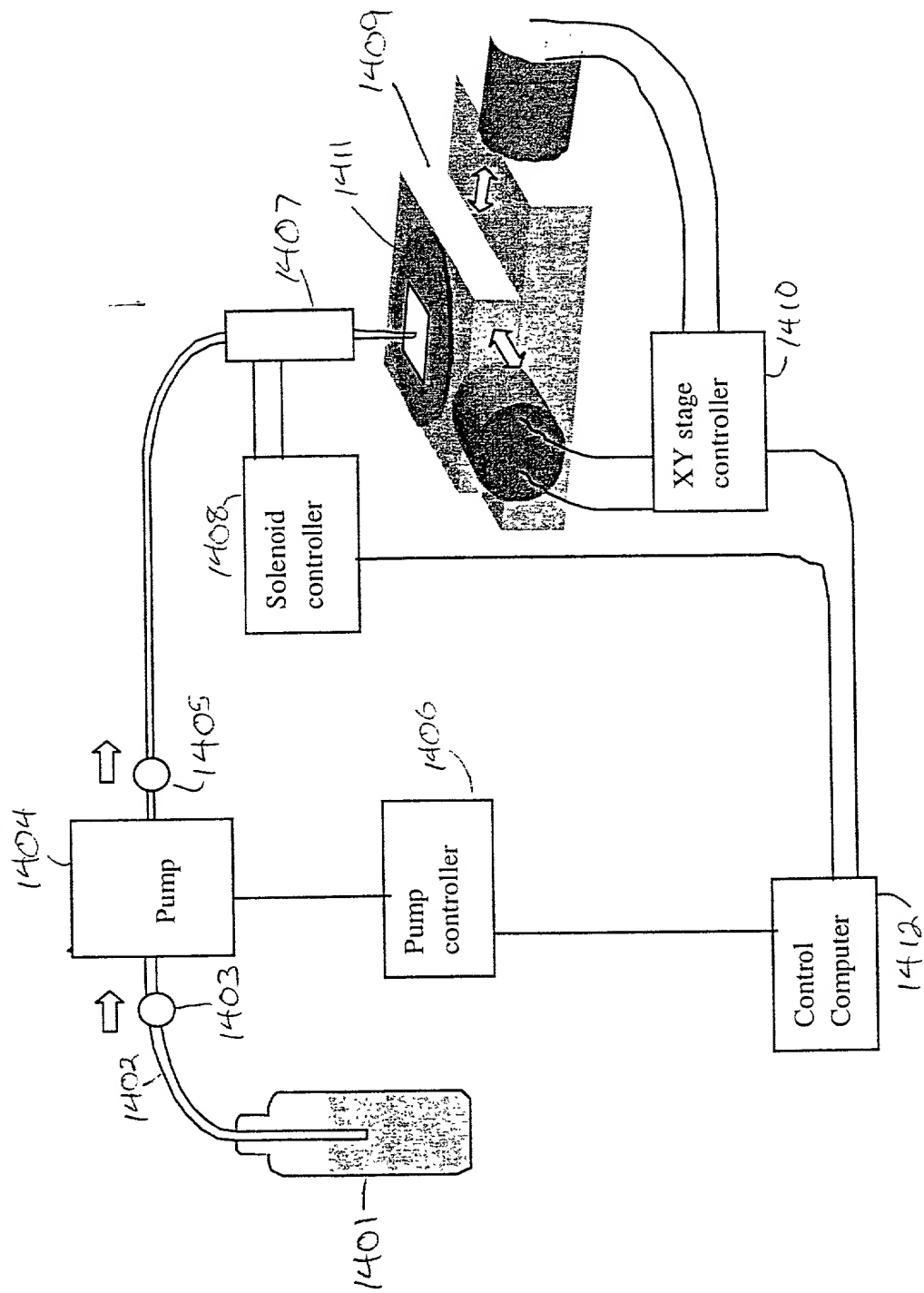
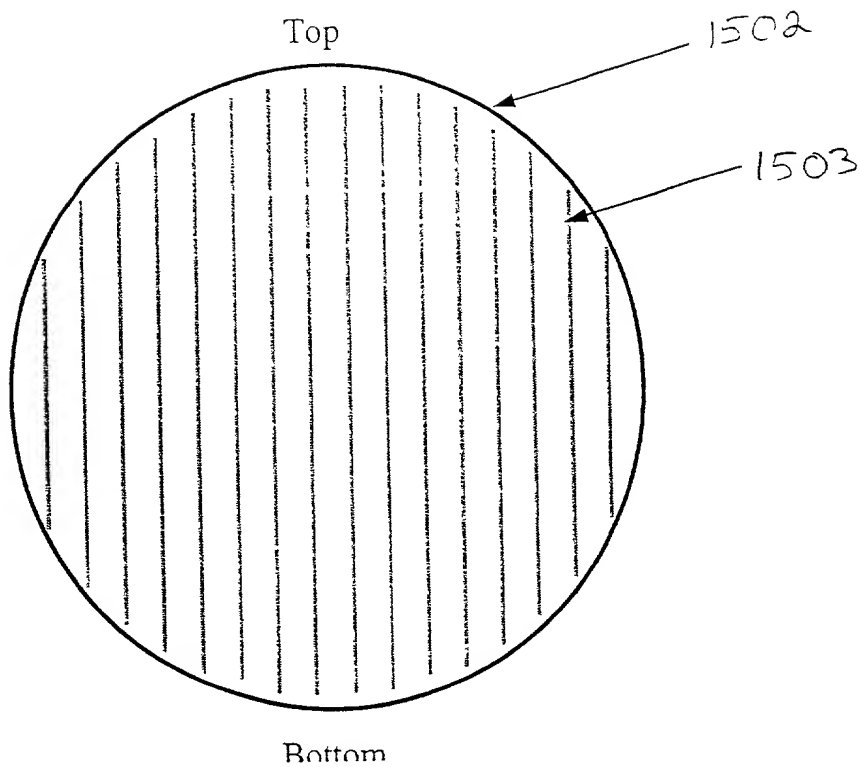


Fig. 14

(a)



(b)

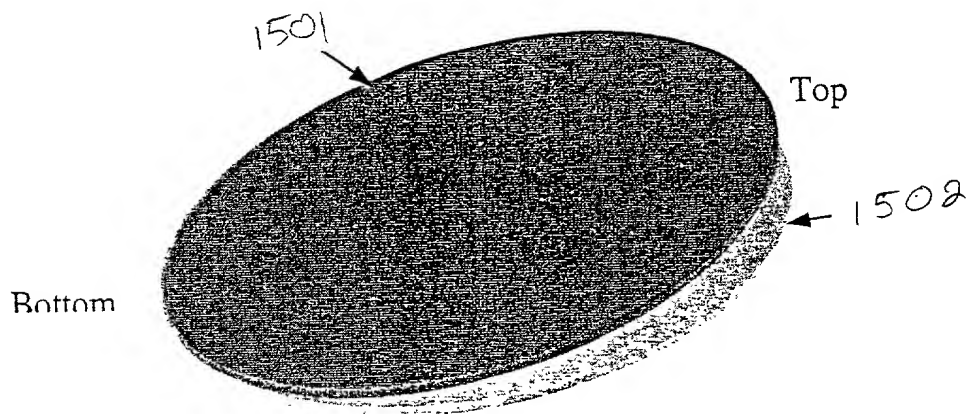


Fig. 15

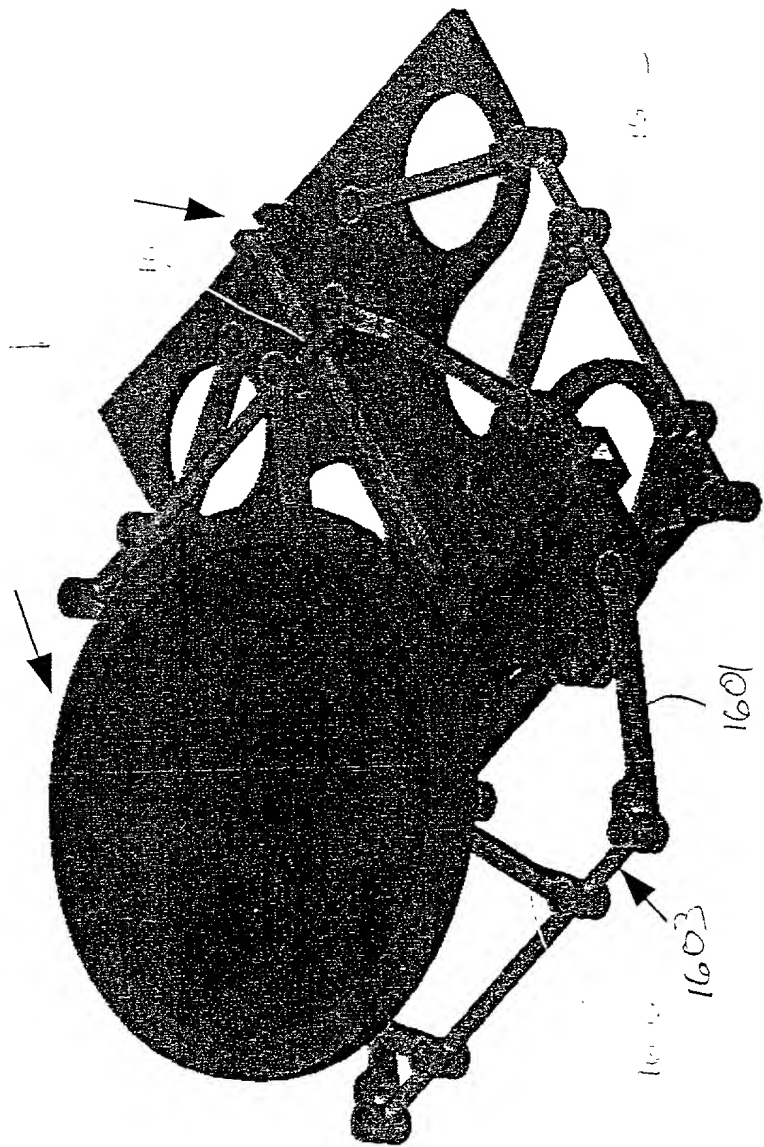


Fig. 16

FIG. 17

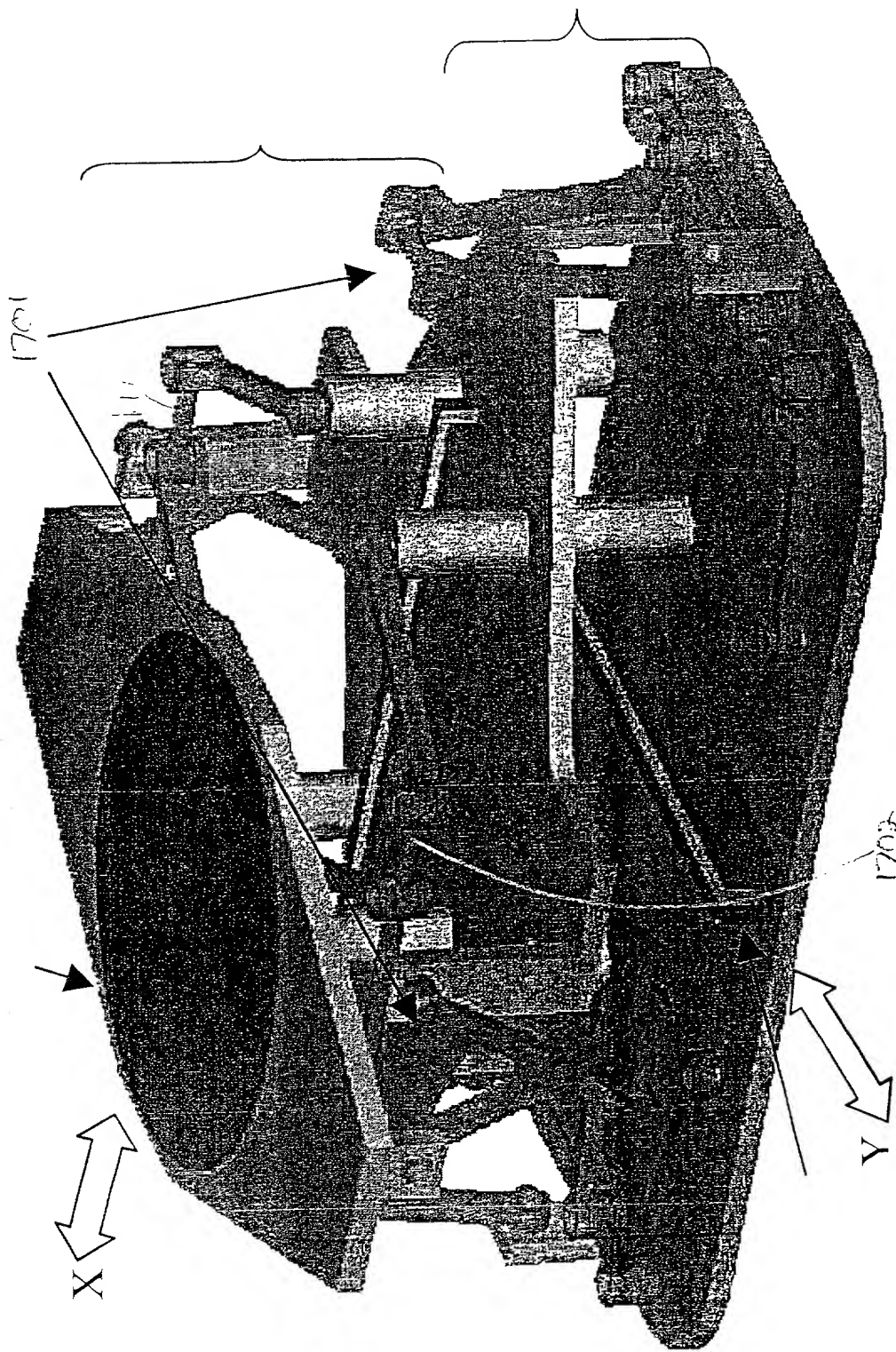


Fig. 17

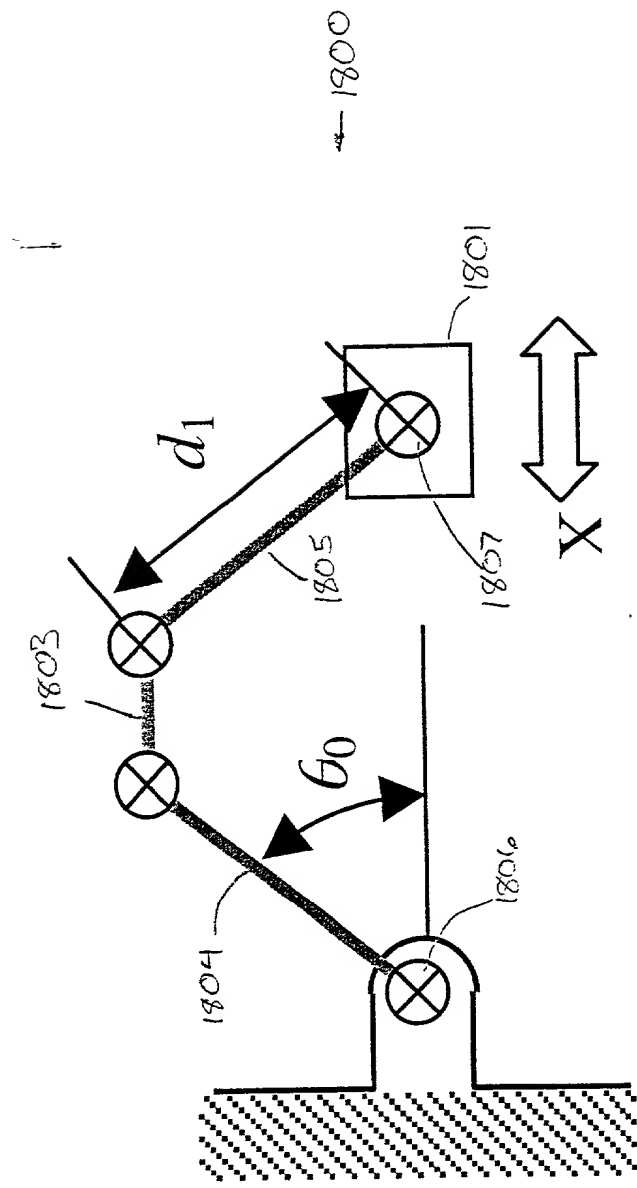


Fig. 18

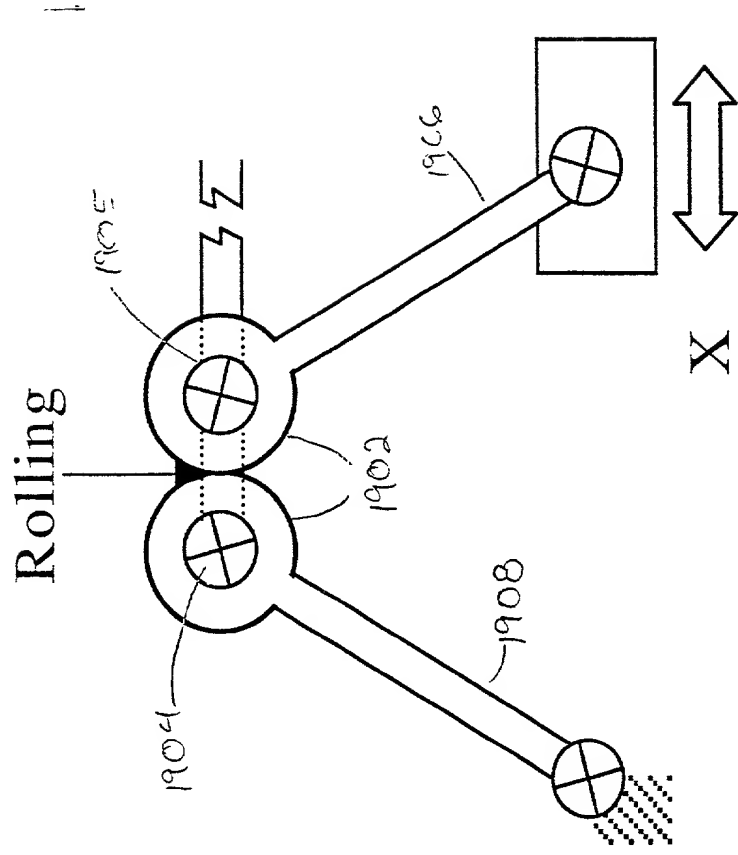


Fig. 19

0920341.080101

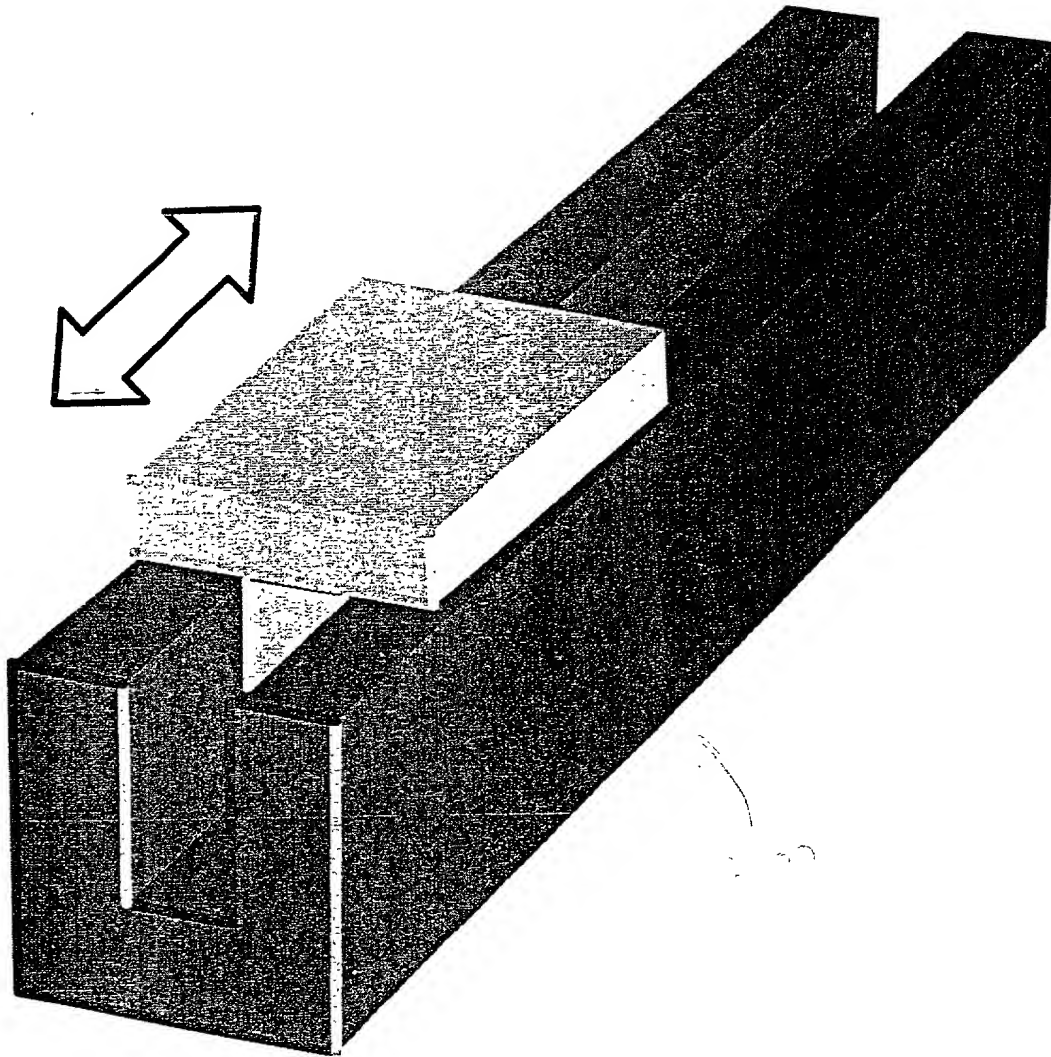


Fig. 20

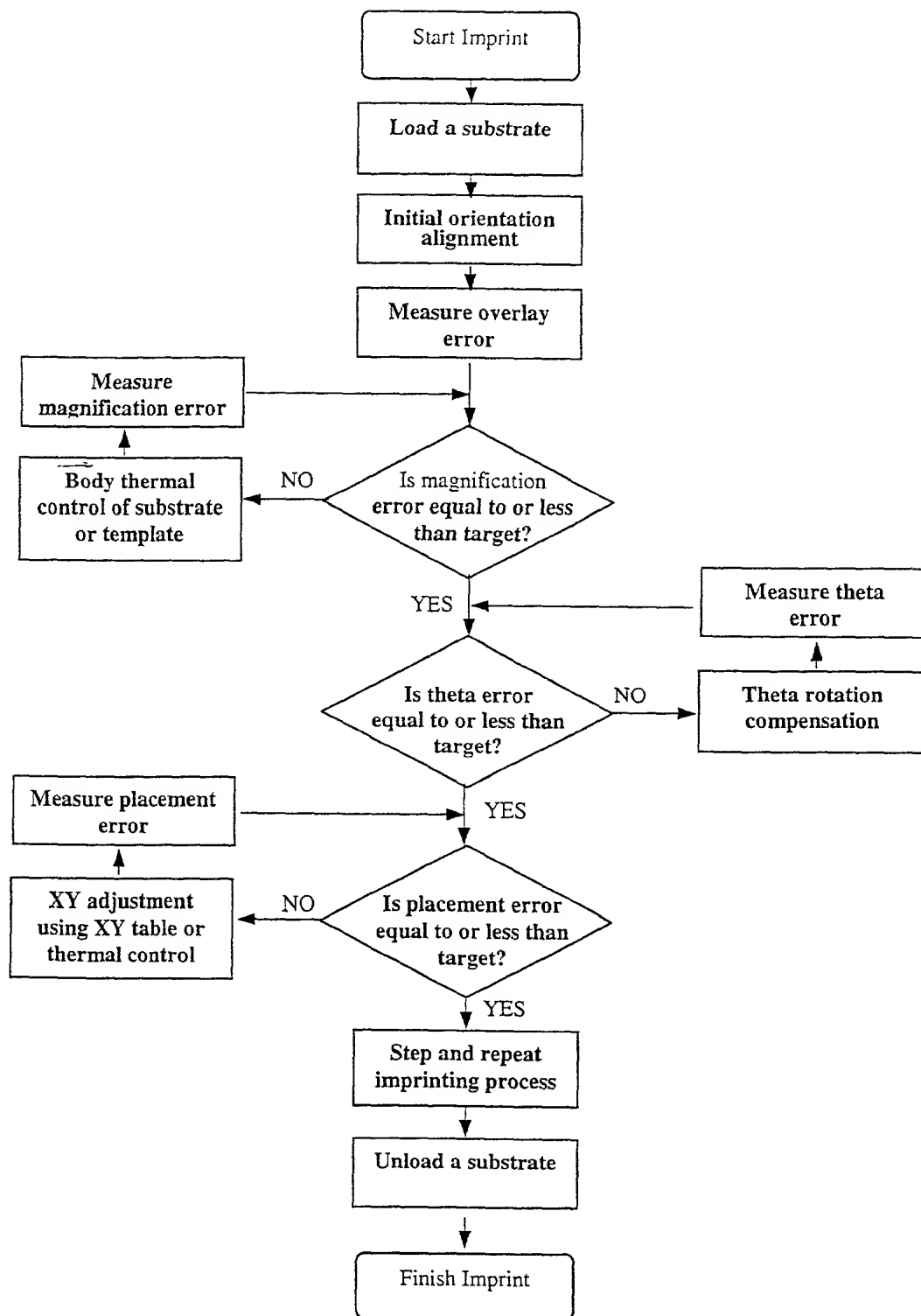


Fig. 21

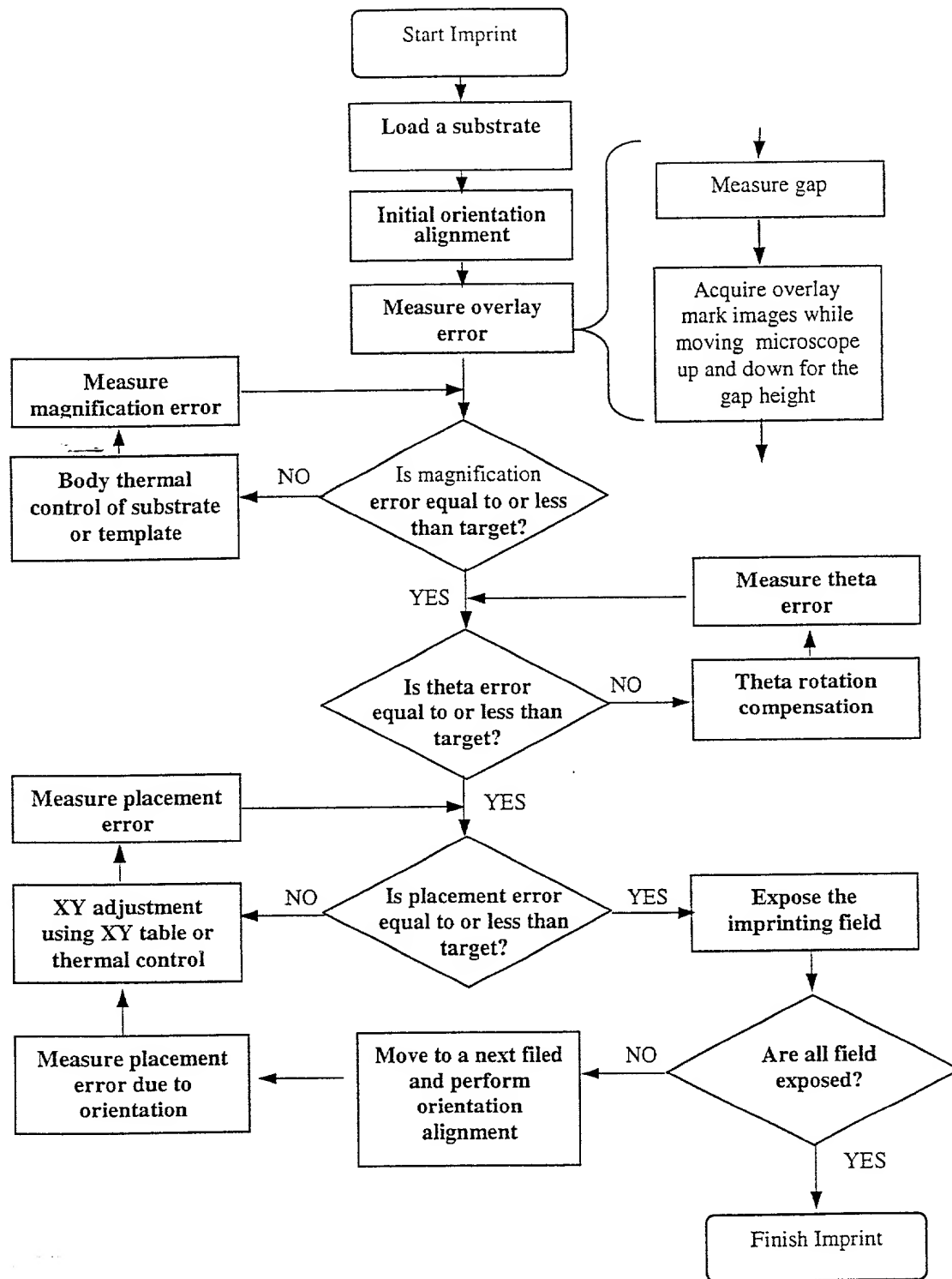


Fig. 22

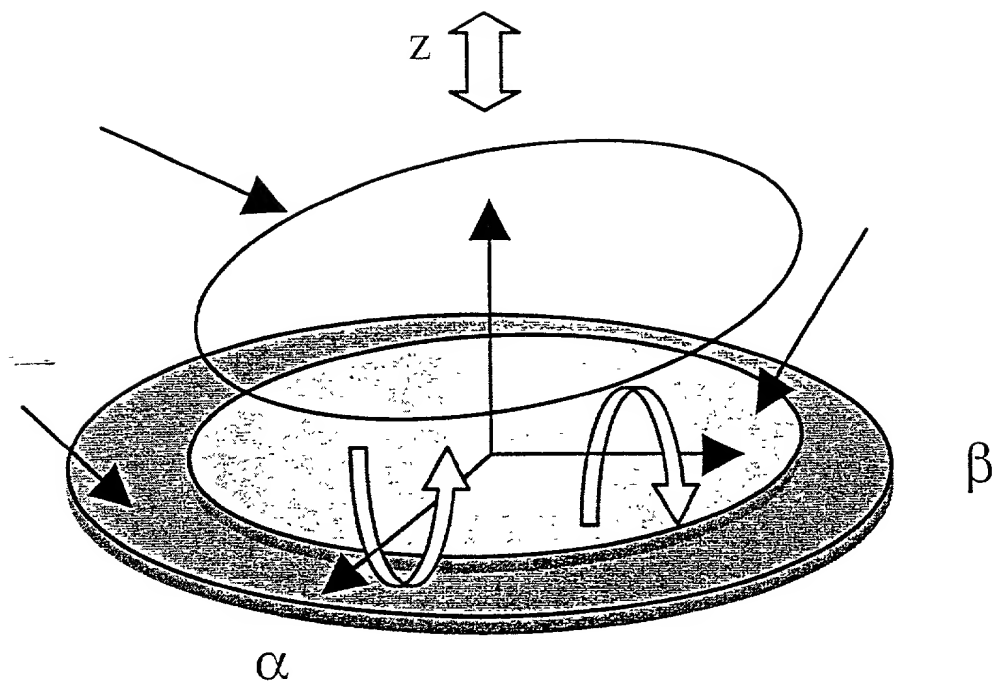


Fig. 23

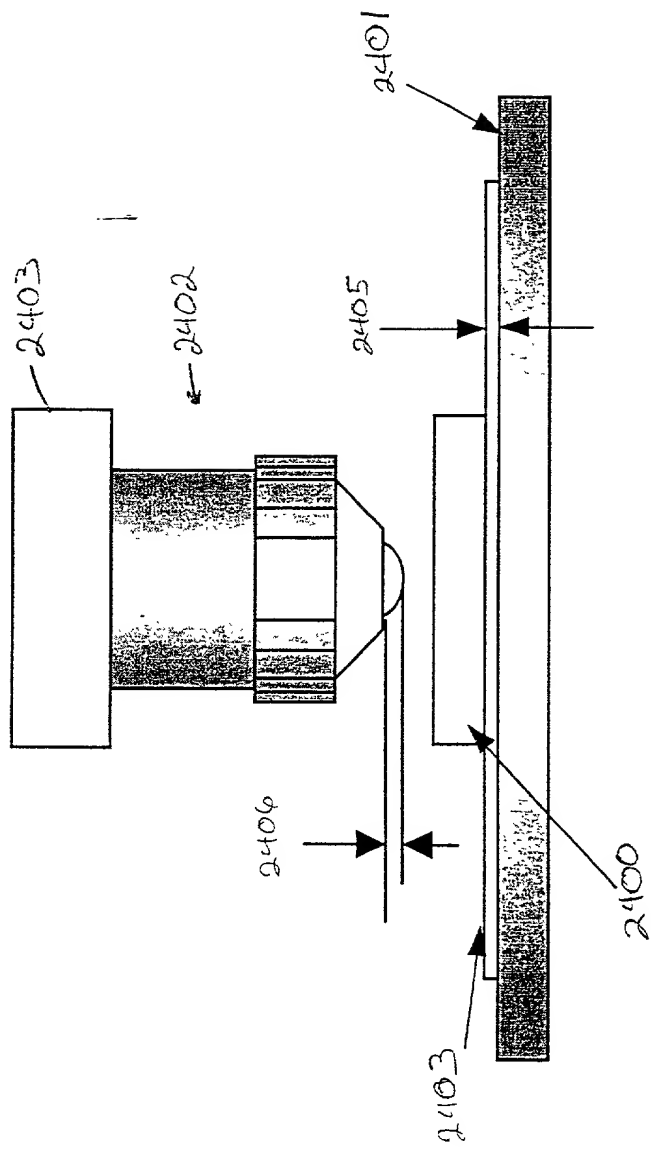
[illegible]

Fig. 24

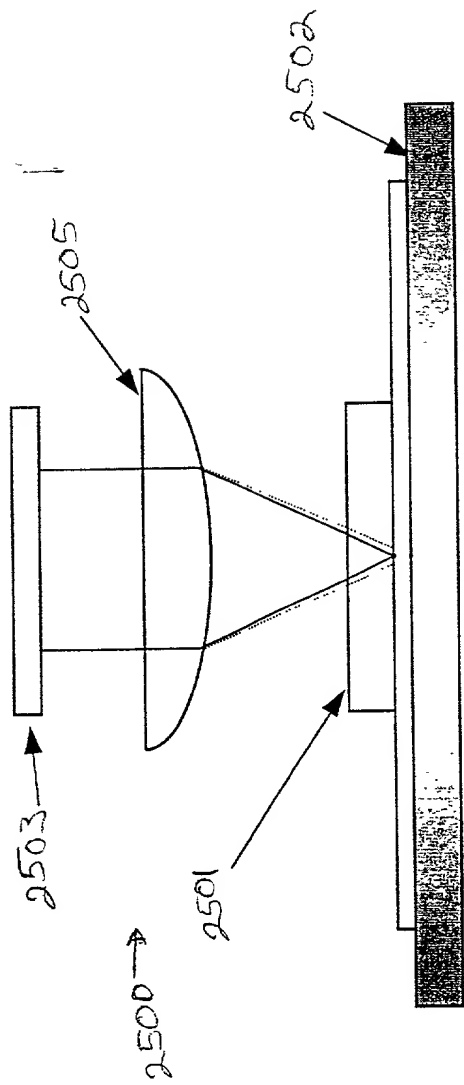


Fig. 25

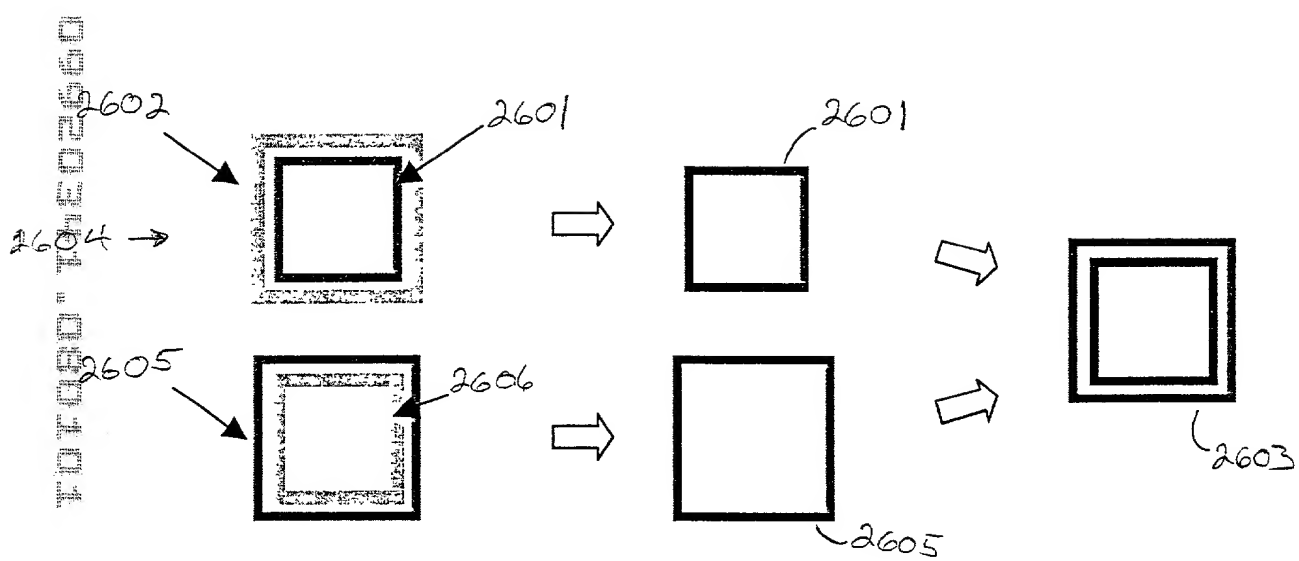


Fig. 26

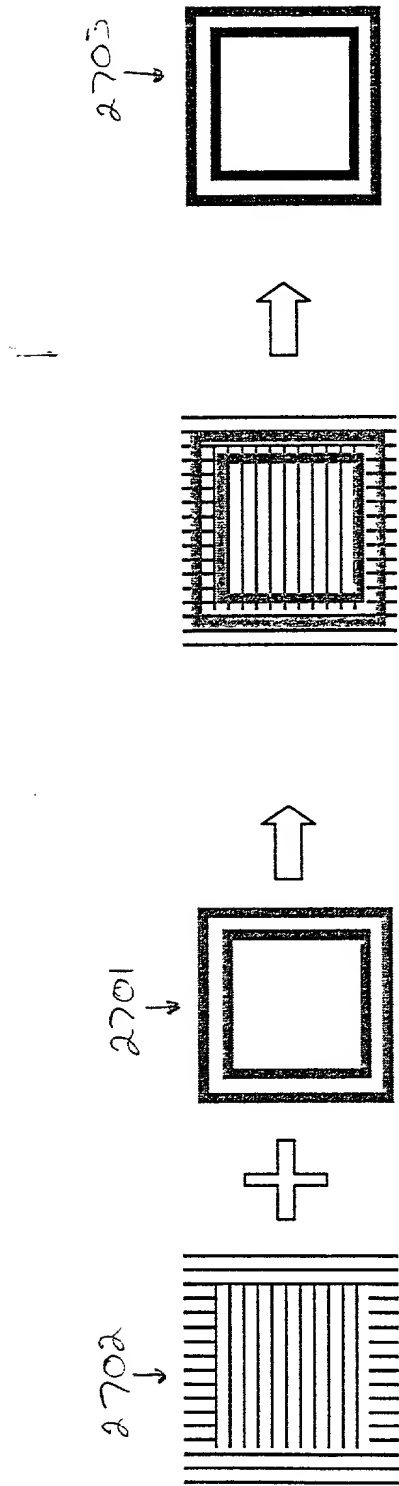


Fig. 27

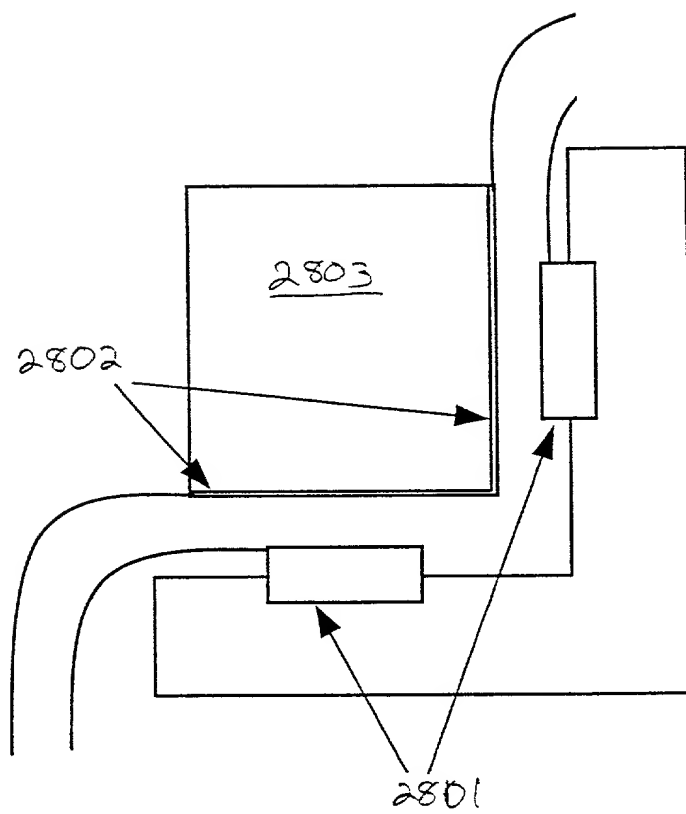
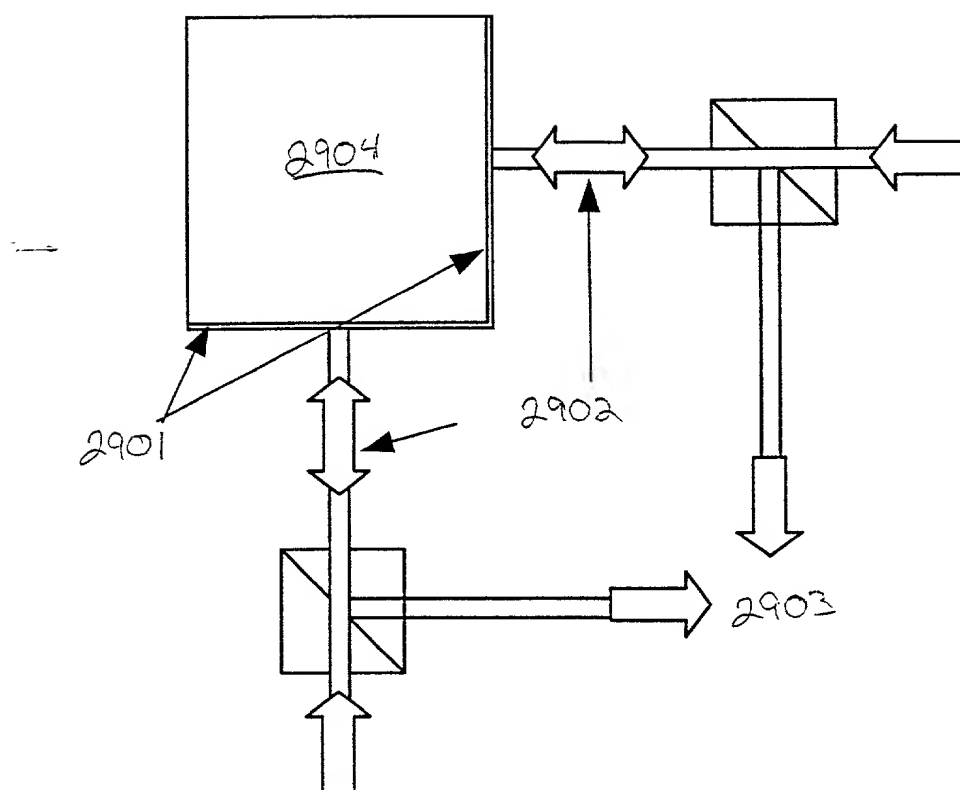


Fig. 28



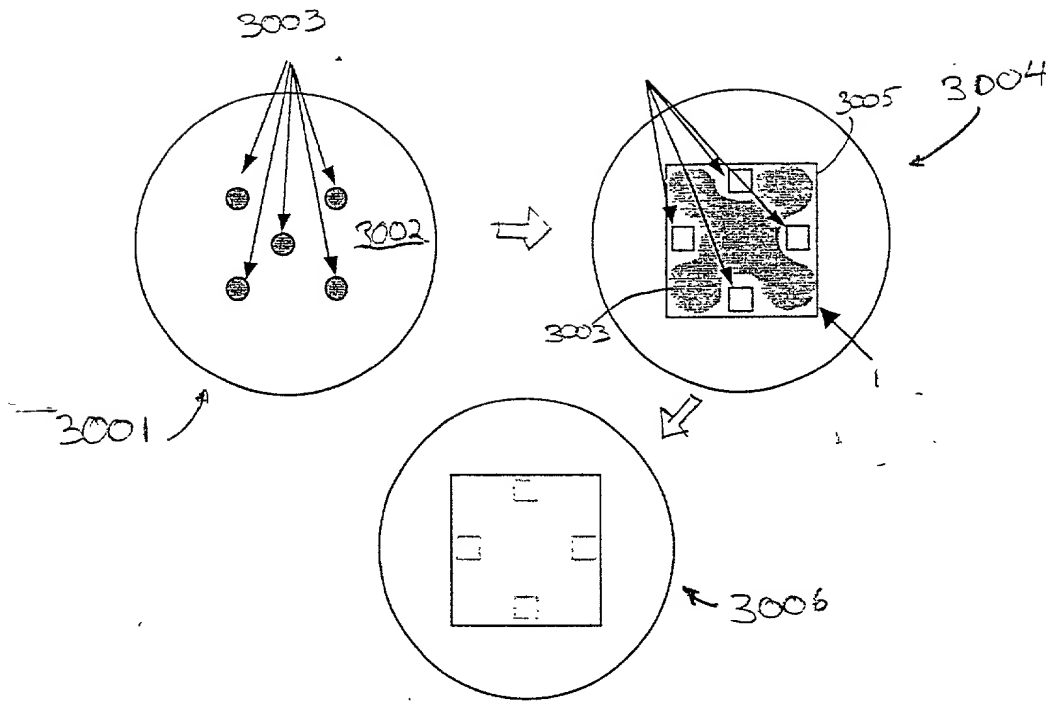


Fig. 30

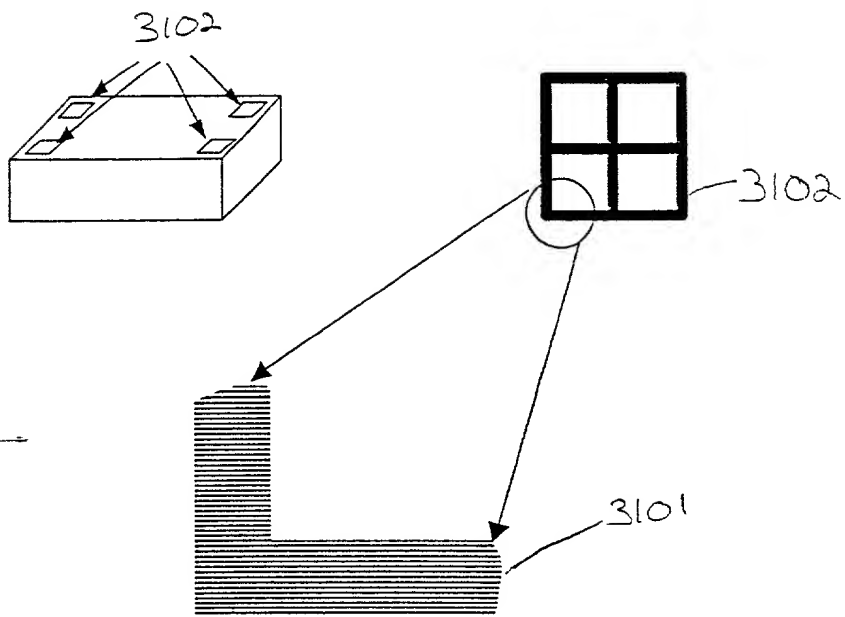


Fig. 31

100

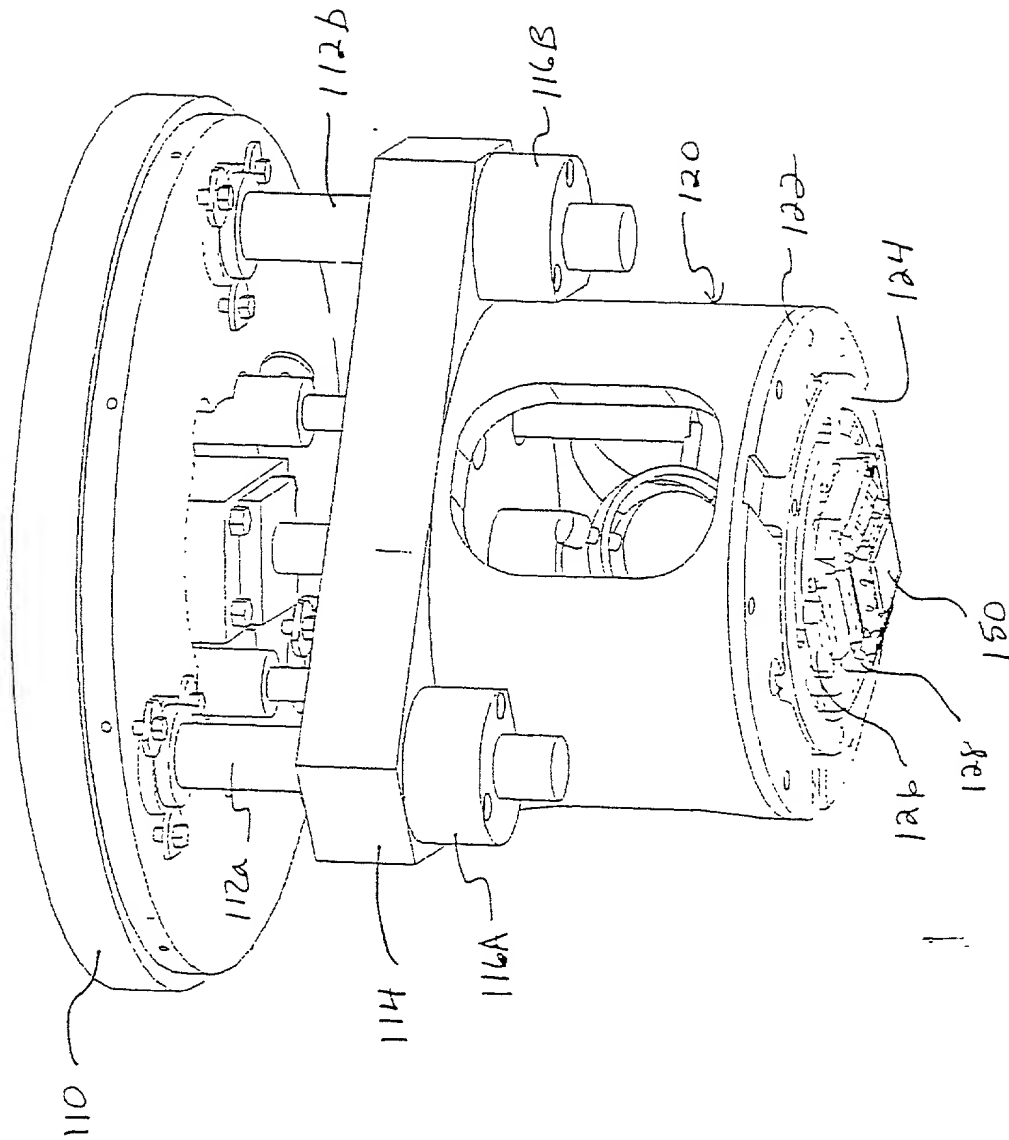


Fig. 32

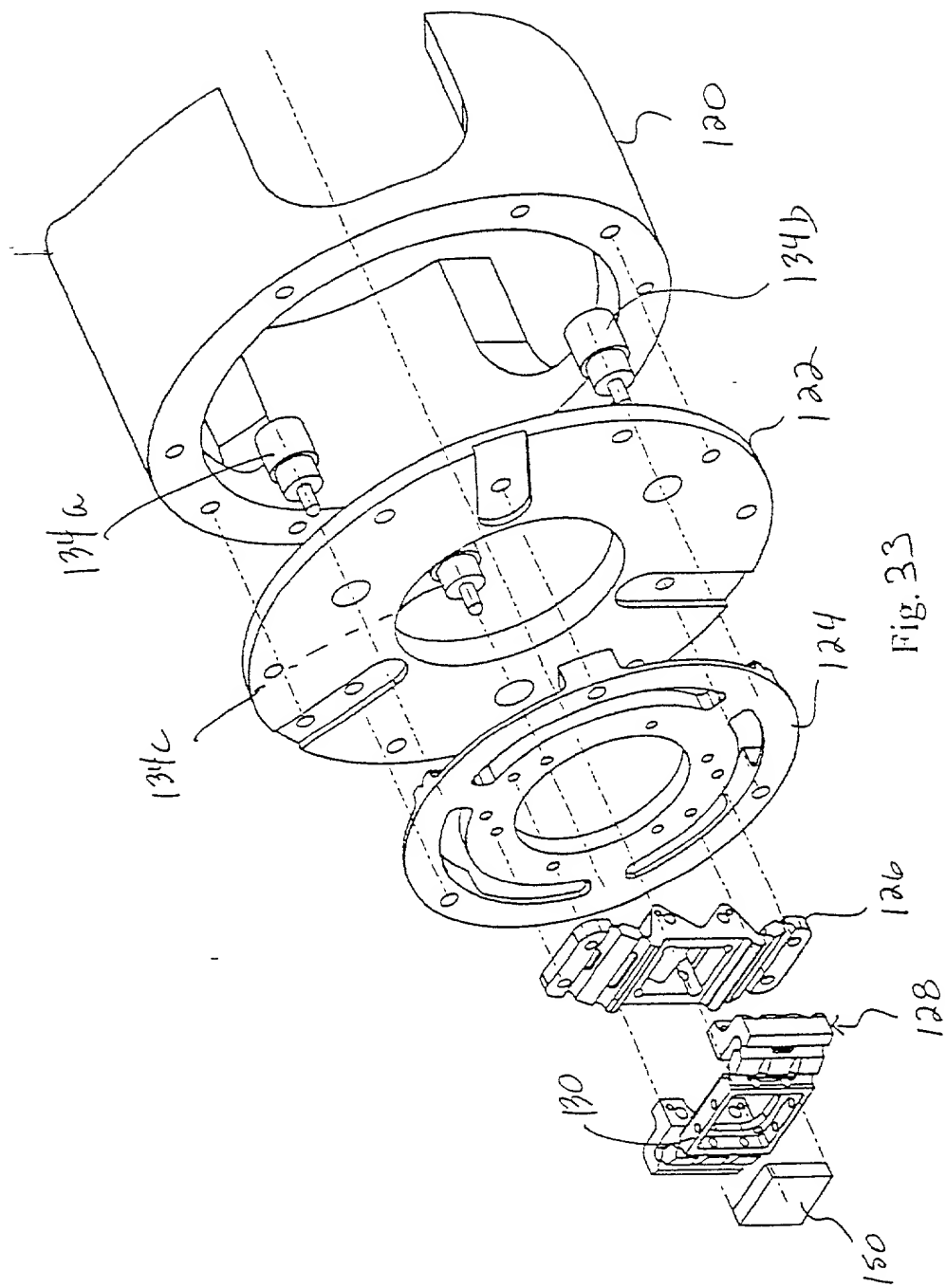


Fig. 33

Gap or thin film  
samples



Broad band  
spectrometer



Reflectivity data in  $\lambda$   
domain:  $R(\lambda)$



Periodic reflectivity  
data in  $w$   
domain:  $R(w)$



FFT of  $R(w)$



Gap or film thickness  
information

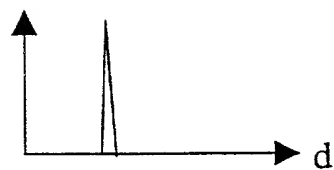
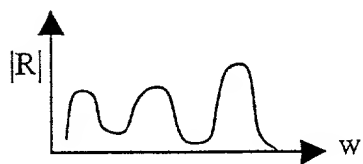
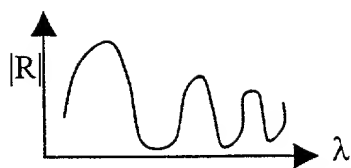


Fig. 34

1

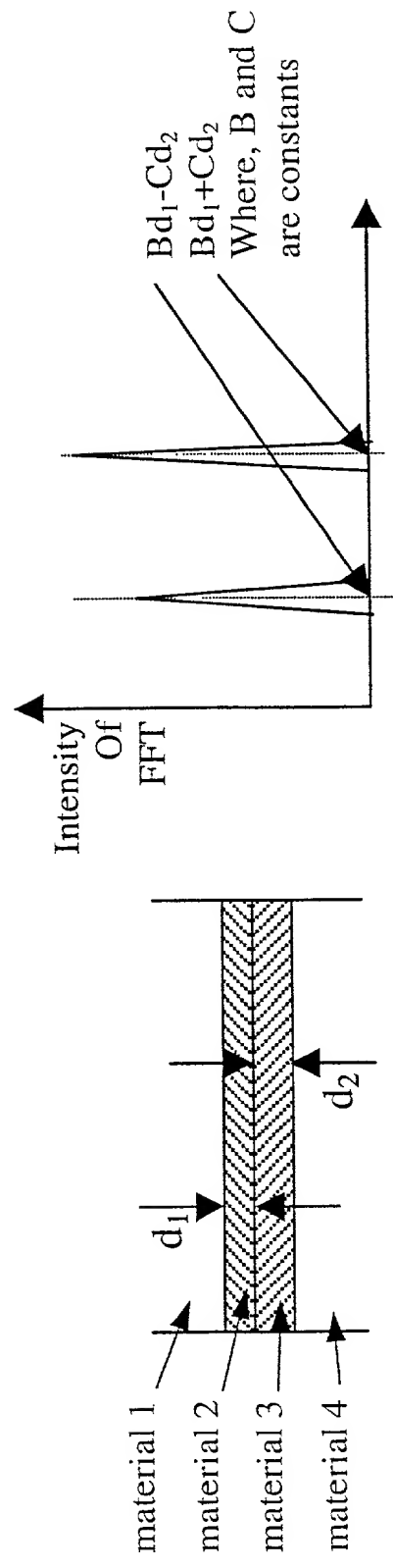
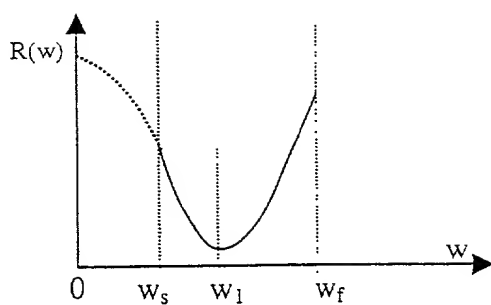
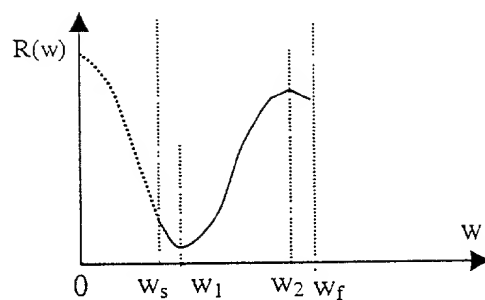


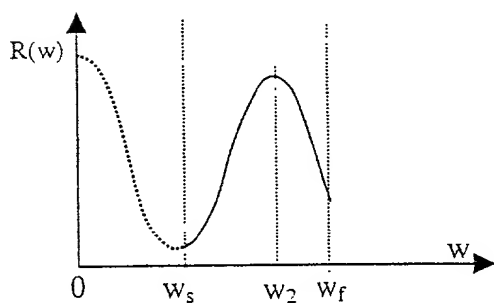
Fig. 35



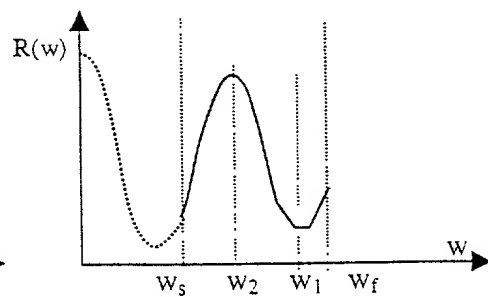
CASE 1



$w_1 < w_2$



CASE 2



$w_2 < w_1$

Fig. 36

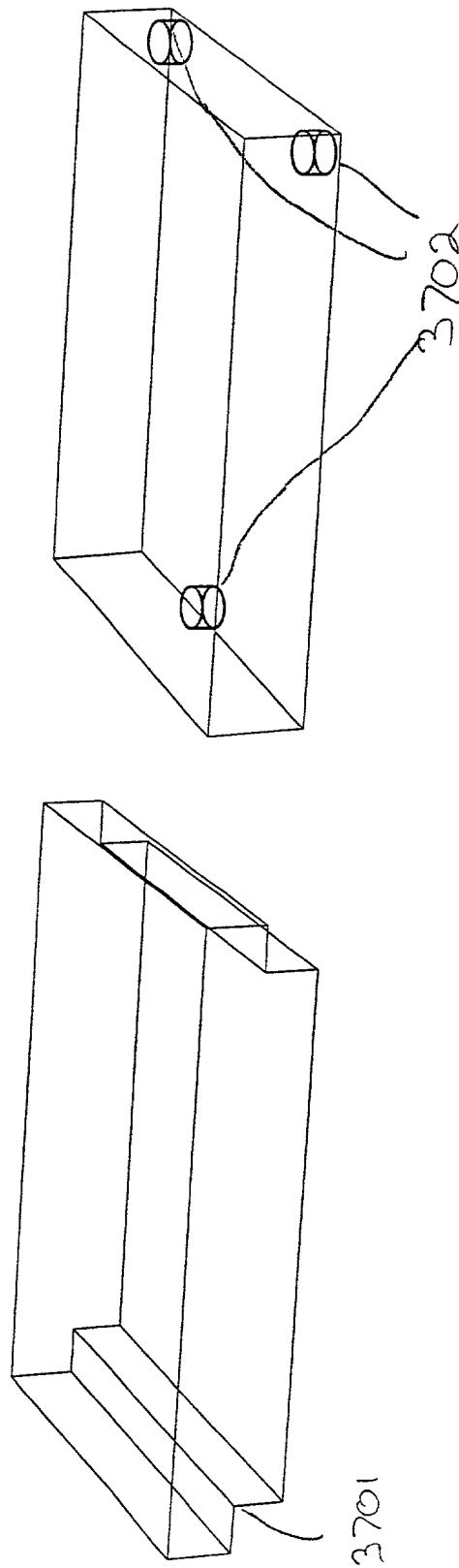


Fig. 37

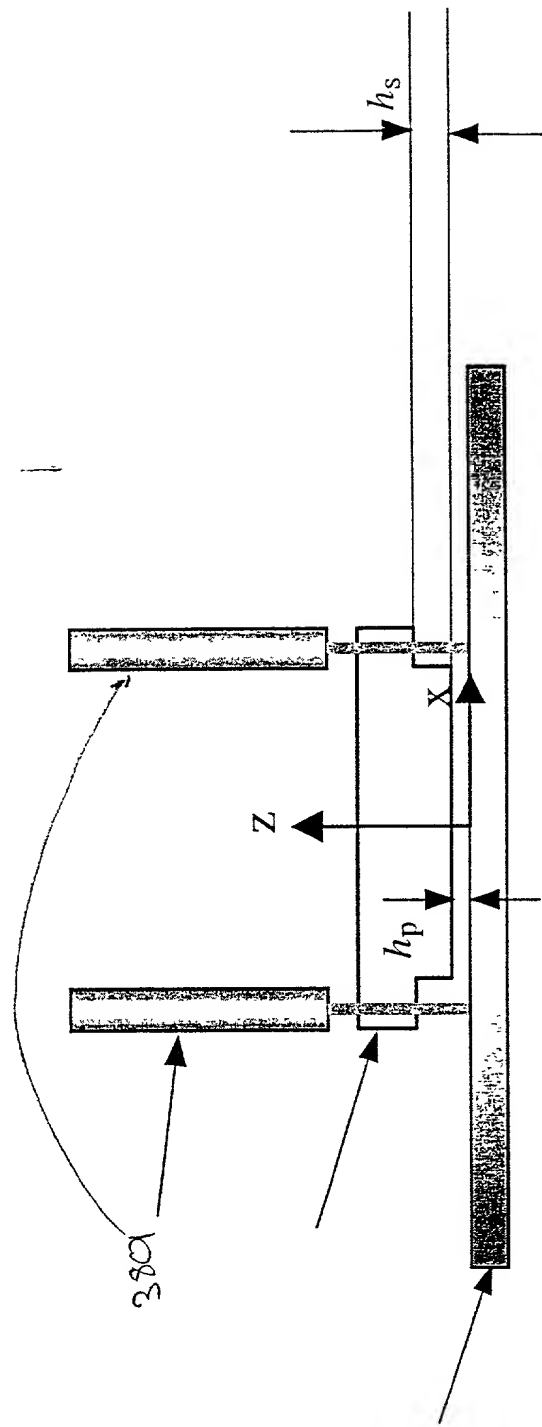


Fig. 38

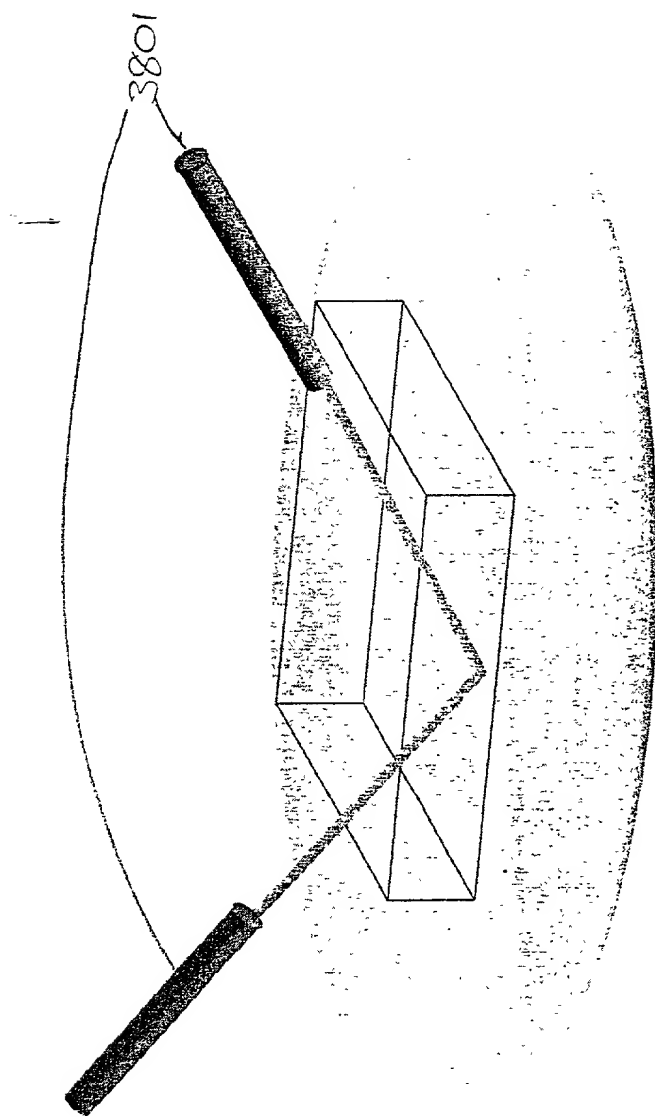


Fig. 39

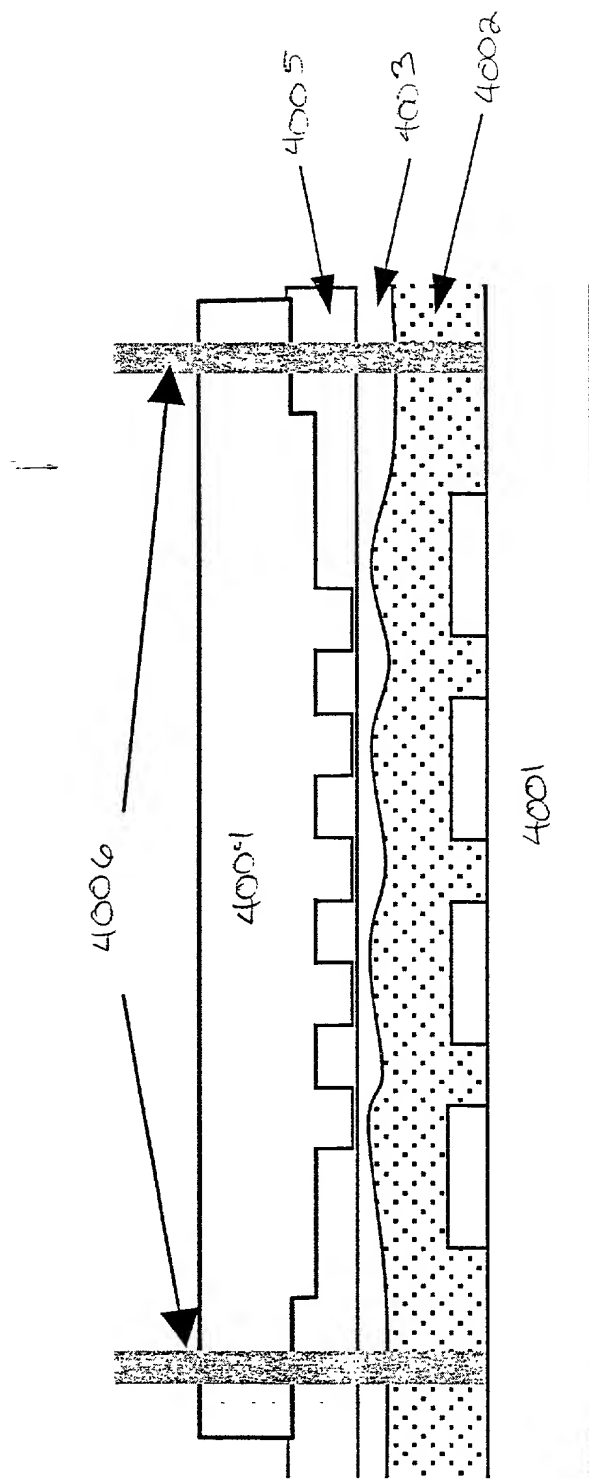


Fig. 40

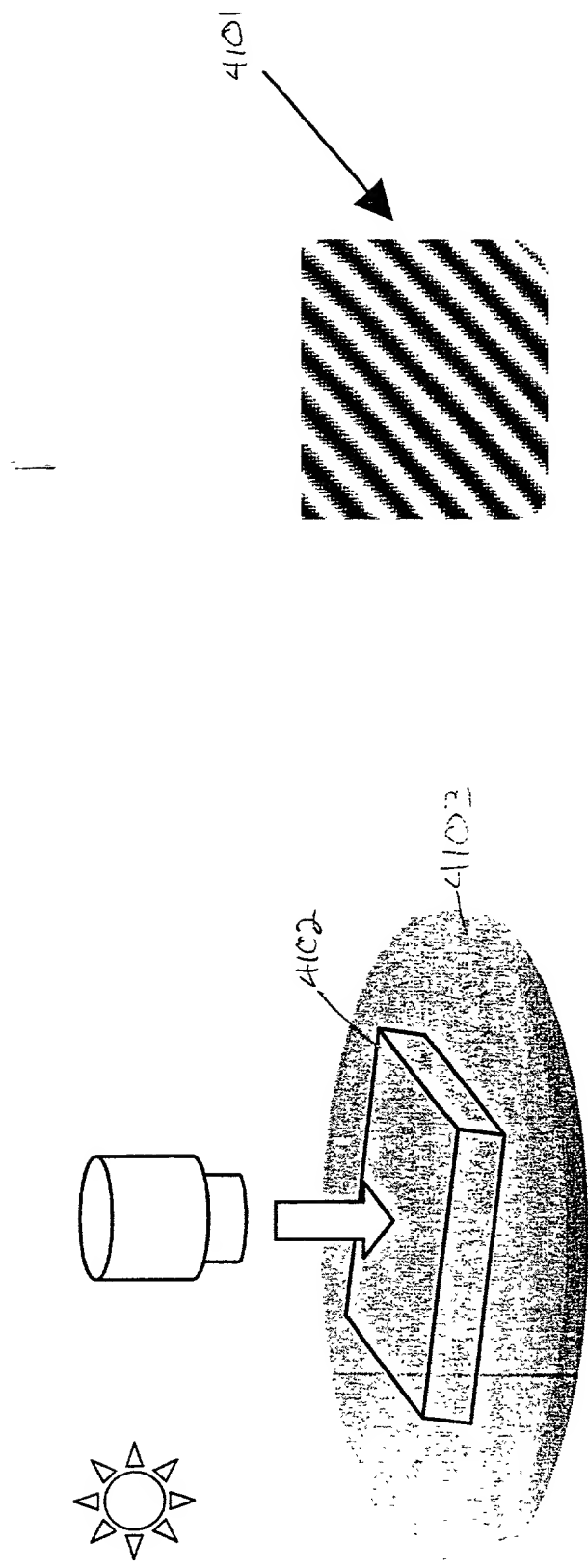


Fig. 41

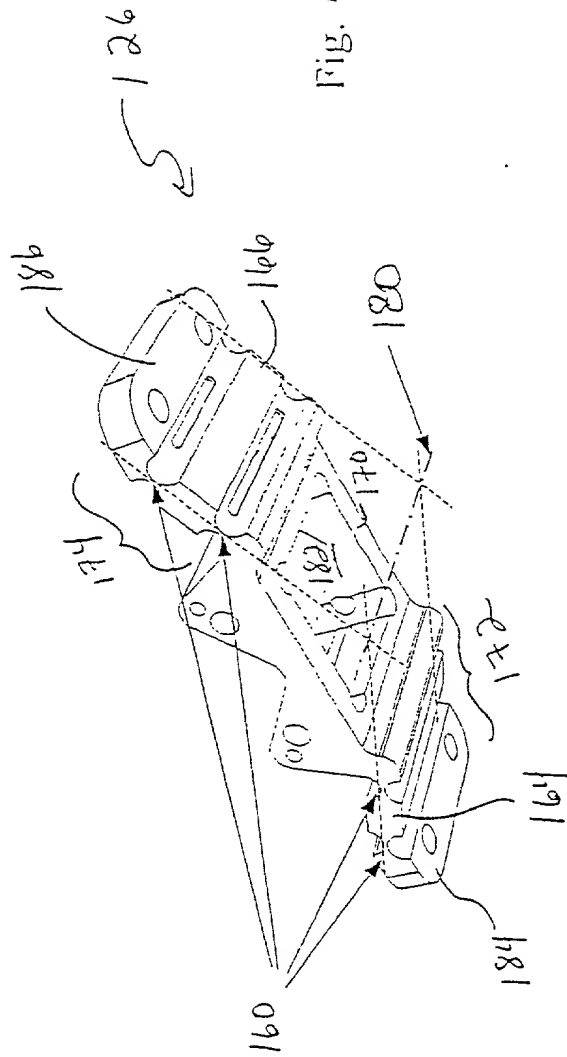


Fig. 42 A

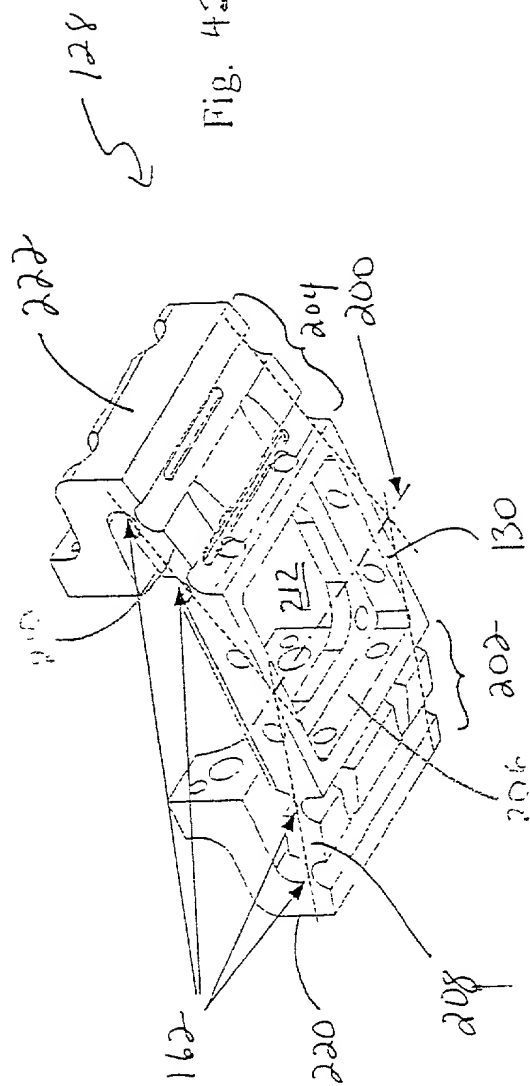


Fig. 42 B

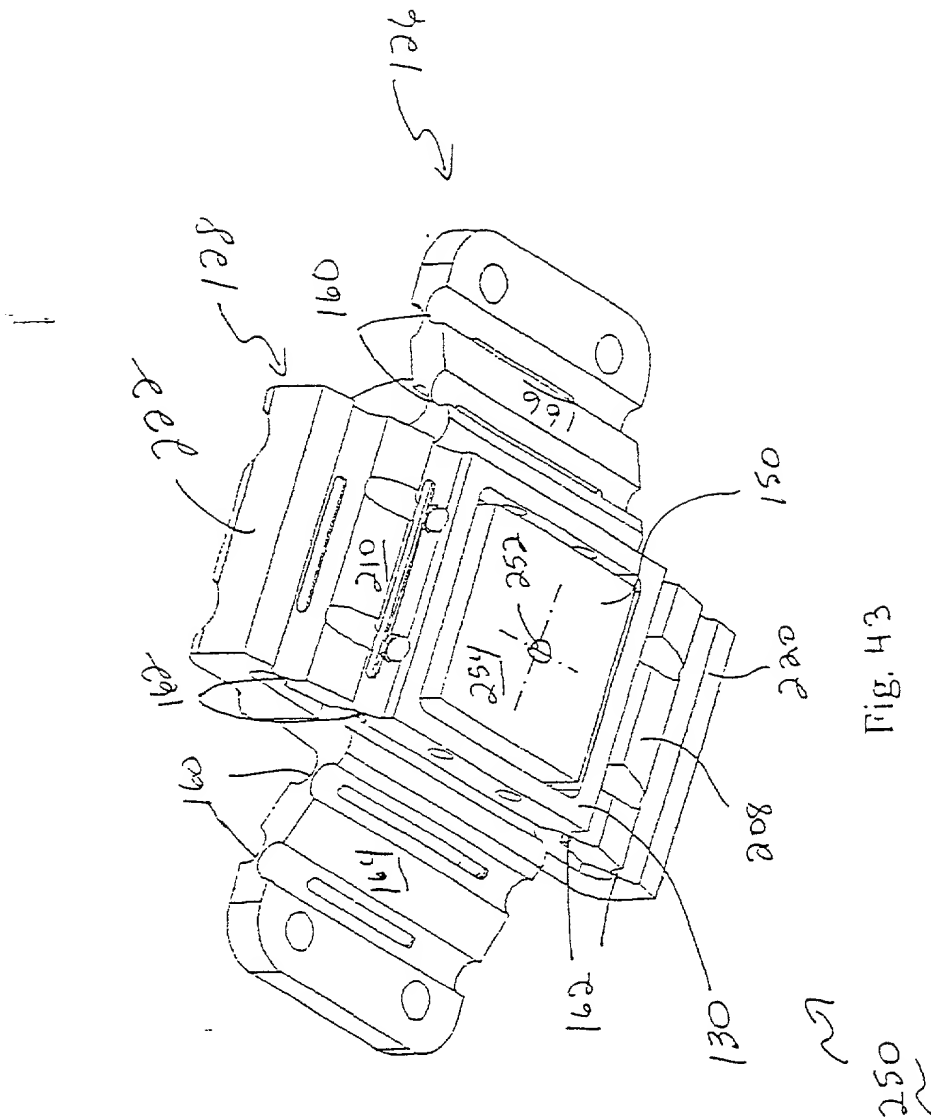


Fig. 43



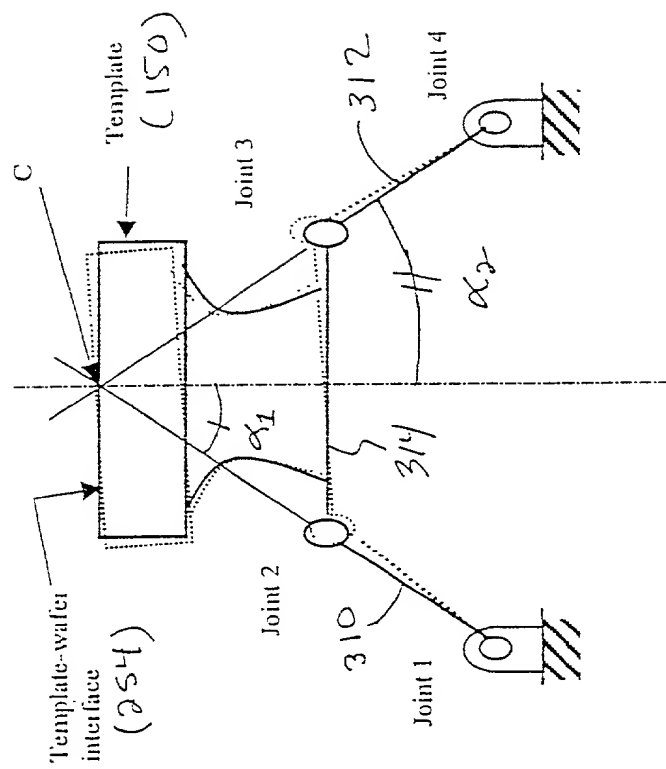


Fig. 45

1

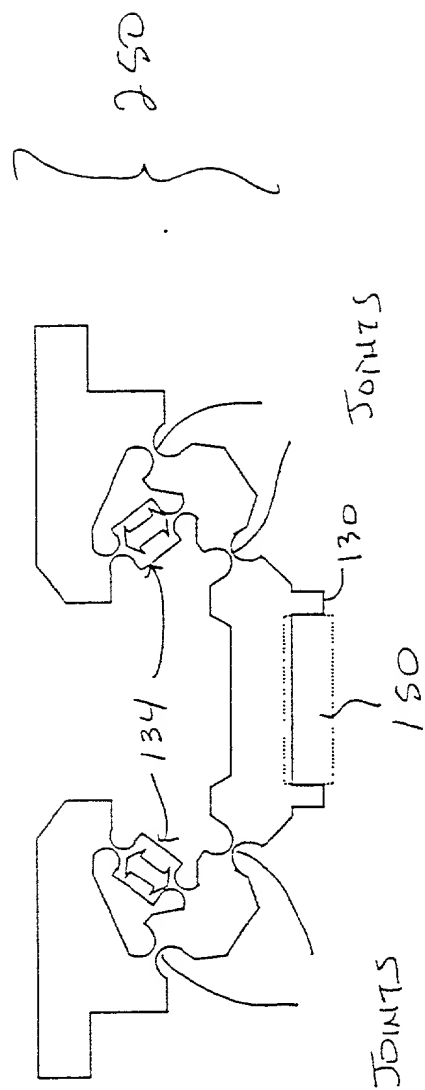


Fig. 46

400

1

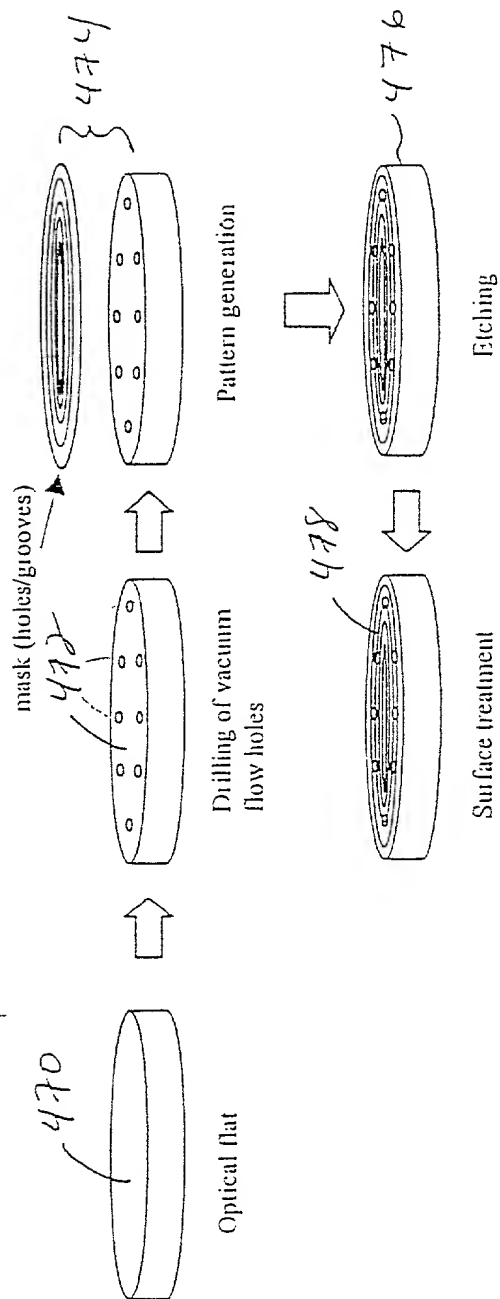
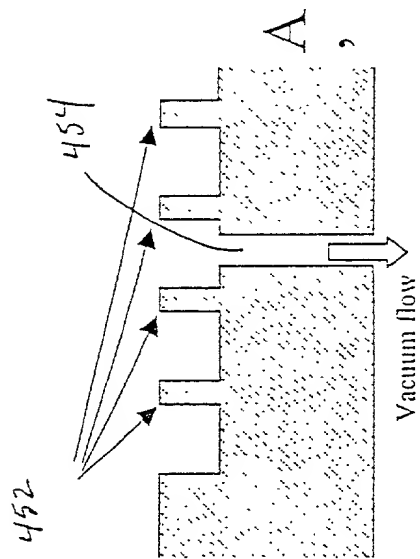
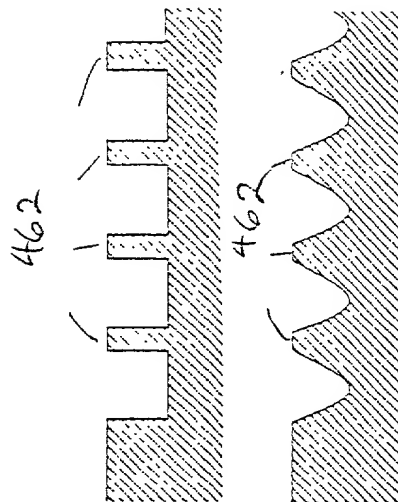


Fig. 47



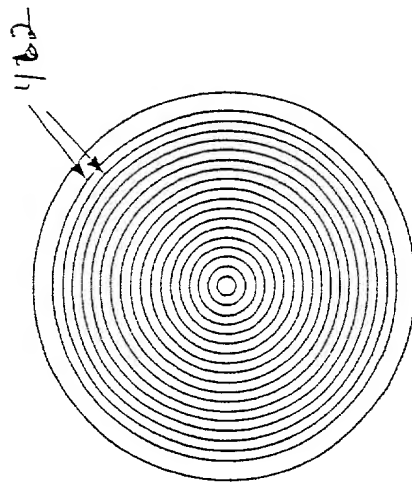
450 ~>

Fig. 48A



460 ~>

Fig. 48B



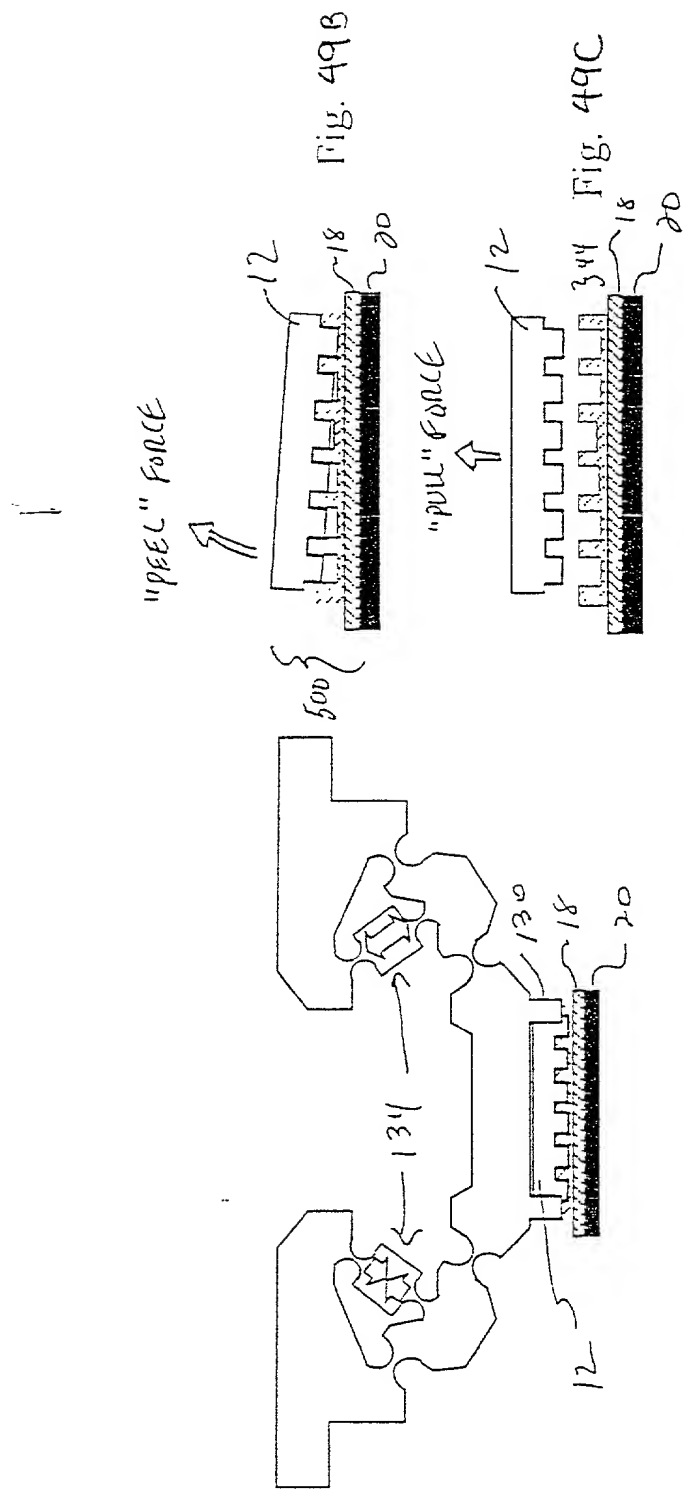


Fig. 49A

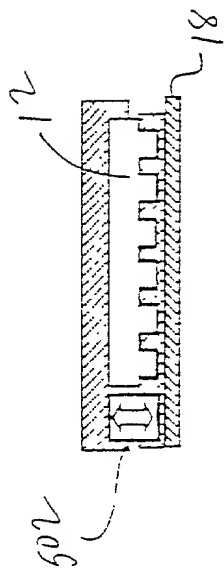


Fig. 50A

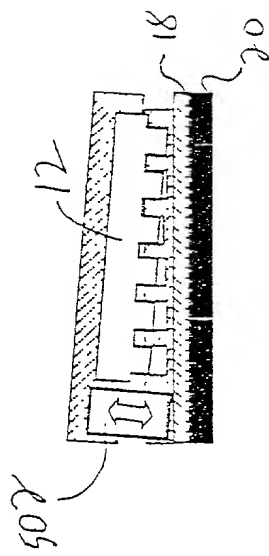


Fig. 50B

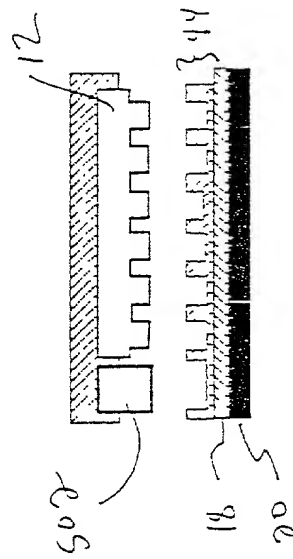


Fig. 50C

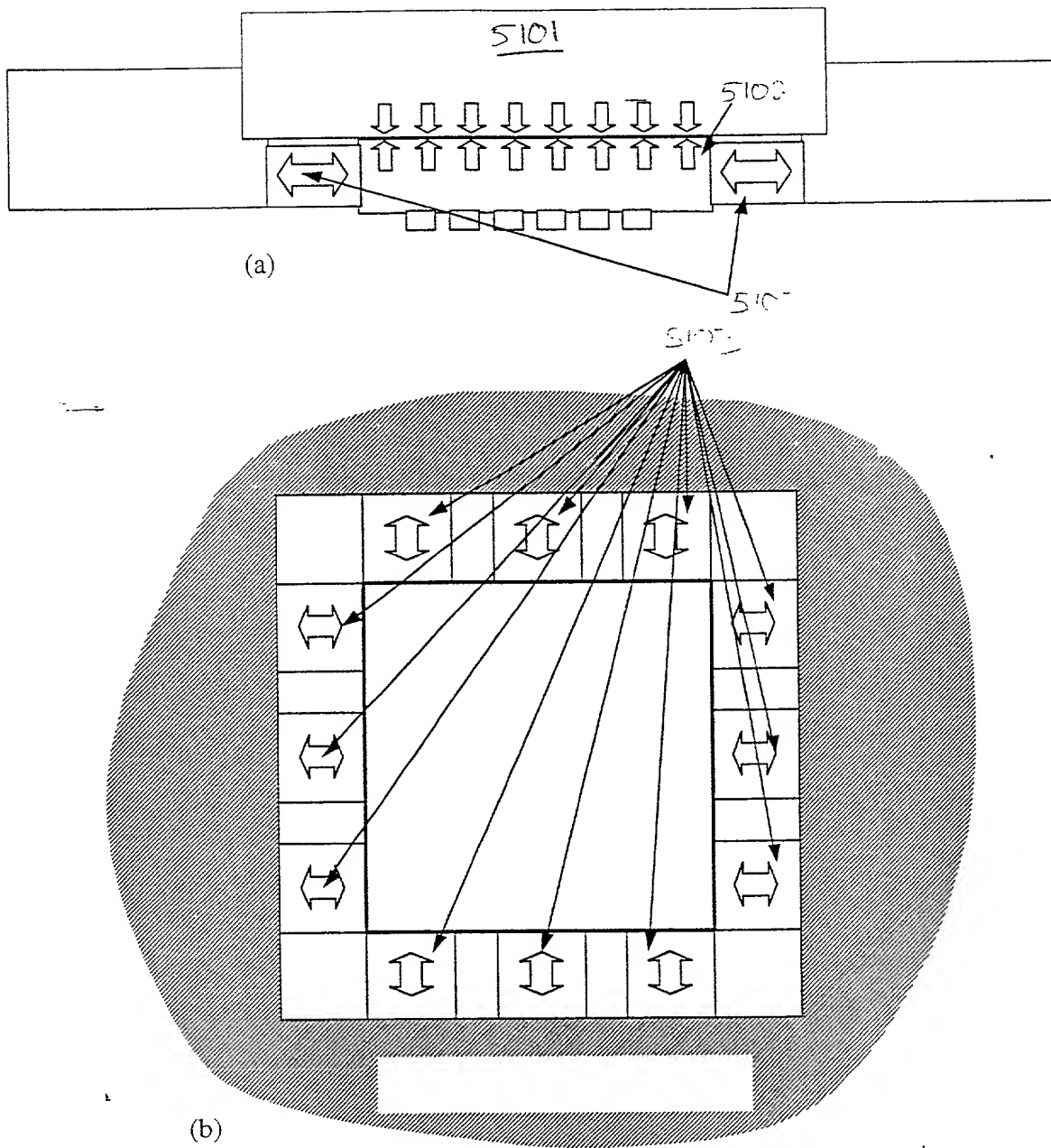


Fig. 51

1

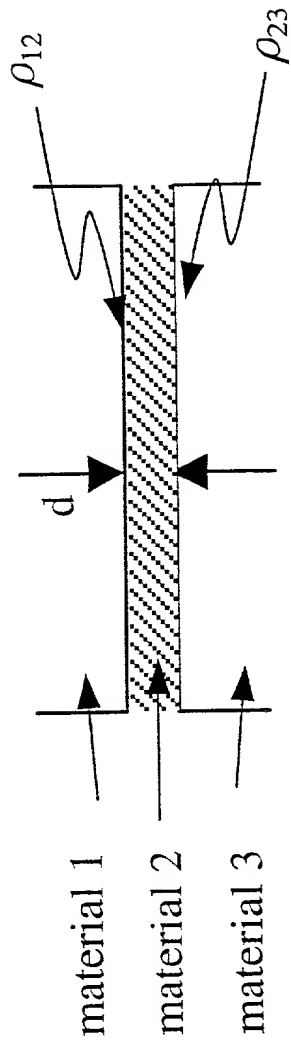


Fig. 52